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SEEDS

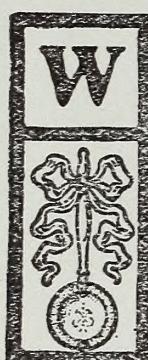
U. S. DEPARTMENT OF AGRICULTURE
Washington, D. C.

1907



W.E. DAHLWIG
34 JUNEAU AVE.
MILWAUKEE, WIS.

DALLWIG'S TESTED SEEDS



We handle absolutely nothing which we do not believe to be the best obtainable and we know that we have unsurpassed advantages for the procurement of the best seeds at a cost which will enable us to offer them to our customers at the lowest prices at which well-grown and selected seeds true to name can be furnished; but we do not claim to compete in prices with those made by irresponsible and haphazard growers and dealers whose sole effort is to secure the lowest priced seeds regardless of quality; such seeds are not cheap, but dear at any price.

SEED BUYING comes but once a year for most home gardens, and should not be decided on the claim of cheapness, for the matter of saving a few cents is but a trifle as compared to the loss of labor, ground and perhaps the entire crop, with much disappointment added, when seeds are bought for low prices rather than on merit.

There is no Doubt with Dallwig's Seeds, they are Grown Right

Such is the testimony, year after year, of many critical market gardeners and experienced florists who plant for profit. These practical growers rely on us.

BUSINESS CONDITIONS

OUR TERMS are strictly cash with the order. Remittances may be safely made by Postal Money Order or Express Money Order. Postage stamps are taken as cash for small amounts. If local checks are used 20 cents must be added to cover the cost of collecting.

POSTAGE. We pay postage on seeds in packets and ounces; on larger quantities postage must be added to catalog prices at the rate of 8 cents per pound. In case of peas, beans and field corn add 15 cents per quart, on sweet corn 10 cents per quart, to catalog prices, if wanted by mail.

GUARANTEE Seeds of the best quality will sometimes fail for various reasons, such as: sowing too deep or too shallow, in too wet or too dry soil; insects of all descriptions destroying the plants as soon as, or before, they appear; cold or dry air may check the growth of young plants or destroy them entirely, and a great many other contingencies may arise to prevent the best seeds from giving satisfaction. For all these reasons it is impossible to guarantee seeds, and, while we exercise the greatest care to have all seeds, bulbs and plants pure, true and reliable, we give no warranty, expressed or implied, as to description, quality, productiveness, or any other matter, of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

MARKET GARDENERS and Truckers, Public Institutions and others who need seeds in larger quantities, will, on application, be supplied with a Special Price List.

The prices in this catalog are subject to change without notice.

OUR SEED CATALOG. Please show this SEED CATALOG to your friends, and if you should receive an extra copy be kind enough and hand it to some neighbor interested in seeds. We would be glad to send a copy free to any of your friends likely to want seeds. An order this season, no matter how small secures our catalog for the next as soon as issued.

German Catalog upon Application.

Deutscher Katalog auf Verlangen.

CUT FLOWER DESIGNS

We are prepared to undertake an order of almost any size at short notice and effect prompt deliveries. We are producing a class of work of exceedingly high order. We believe our Cut Flower Designs are not excelled anywhere in artistic arrangement or workmanship. If in doubt, consult us as to just the proper thing for all occasions — weddings, parties, funerals, etc.

W. E. DALLWIG

34 Juneau Ave.

MILWAUKEE, WIS.

NOVELTY SUPPLEMENT

TO W. E. DALLWIG'S 1907 SEED CATALOG

Among the following we offer a number of distinct Novelties, together with such varieties, which, as contrasted with others, possess superior merit, and are worthy of the prominence we give to them.

New Hodson Wax Bush Bean

thus far has been entirely free from rust and blight. The plants are well loaded with long, straight, handsome pods, which somewhat resemble those of the Davis Wax, but are plumper, straighter and longer, averaging about seven inches in length, while the color is a clean, bright yellow, making them very attractive. The pods are brittle and tender, of fine texture and pleasing flavor. They are free from fiber, and if picked when they should be, are stringless. This variety will be a boon to the market gardener and trucker on account of its vigor and productiveness and its freedom from blight and rust, while the fine table quality of the long handsome pods will render it of special value to the private gardener. Packet 5c, $\frac{1}{2}$ pint 15c, pint 20c, quart 35c By mail 8c pint, 15c quart additional.

The Longfellow

Bush Bean

GREEN-PODDED

Extra Early, Prolific, Delicious

The Longfellow is an ideal snap bean, a prolific producer of perfectly round, straight, solid, fleshy pods, averaging $6\frac{1}{2}$ inches long, tender and brittle, and without string when broken. The delicate green color of the pods, which is retained after cooking, adds to its attraction. It is a very heavy cropper, and extra early, the pods being fit to pick 4 days in advance of any other sort of equal size.

Packet 5c, pint 15c, quart 30c, 4 quarts 1.00
By mail 8c pint, 15c quart additional.



CELERIAC
DELICATESS

NEW CELERIAC "DELICATESS"

In improving Celeriac or Turnip-Rooted Celery, the aim of the grower is to obtain a smooth bulb, with few or no side roots, and small tops, together with white and tender flesh.

Delicatess is the result of years of careful selection and cultivation with these objects in view. It produces perfectly smooth, oval roots. The flesh is snow-white, tender and of most delicious flavor. This Celeriac will produce good roots even on poor soil. Packet 5c, ounce 25c



PRESSING PERFECTED PICKLING CUCUMBER

Early Sweet Corn "GOLDEN BANTAM"

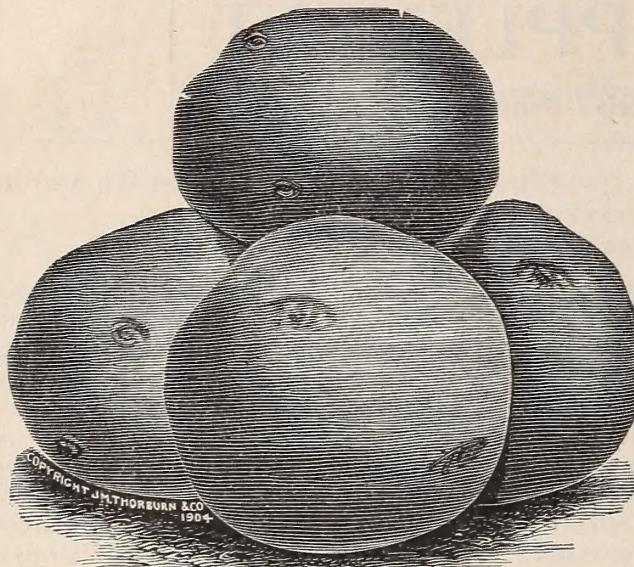
Earliest and Best of Extreme-Earlies Delicious in Flavor

Exceptionally hard and firm, hence can be planted earlier than any other true Sweet Corn. Dwarf and sturdy, growing to a height of four feet, and bearing two and three good ears, five to six inches long, well filled to the extreme rounded tip with eight rows of broad yellow grains. As distinct in flavor from that of white varieties as in color,—being almost literally "sweet as honey".

Packet 5c, $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 30c, 2 qts. 50c

PRESSING PERFECTED PICKLING CUCUMBER

We believe this new Cucumber is just what many picklers want—short pickles which will pack in bottles better than other varieties. The small cucumbers of this splendid new variety are short, cylindrical and blunt ended, making when packed in bottles, very handsome, showy pickles of the very best quality. The vines are vigorous, setting their fruit early and are very productive. Pkt. 5c, oz. 15c, 2 oz. 20c, $\frac{1}{2}$ lb. 35c



NOROTON BEAUTY POTATO.

It is the best all-around Potato in existence.

Thorburn's Great New Potato NOROTON BEAUTY

The Most Valuable Potato Ever Introduced

We summarize its merits as follows:

It is the earliest Potato ever grown, being 16 days earlier than the Early Rose.

Yet it is fully as productive as any main-crop or late sort. This combination of extreme earliness, productiveness and keeping qualities has never before been attained.

It is handsome in appearance and more uniform in size and shape than any other variety.

The tubers mature simultaneously, a fact which, combined with its extreme earliness, practically does away with danger from blight or disease or bugs.

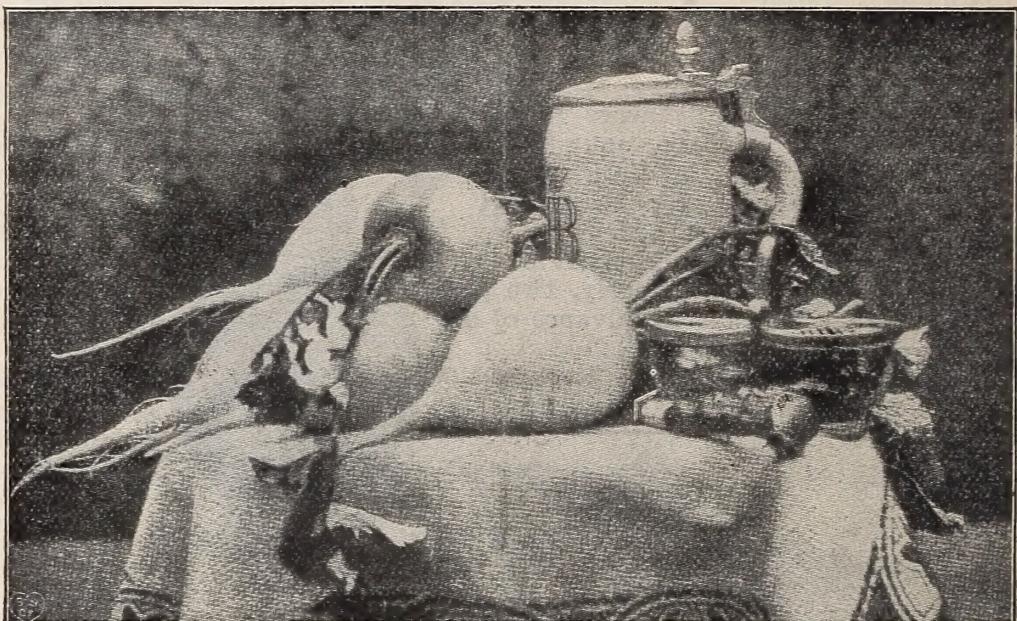
Its table qualities are superb, and it keeps longer than any other sort, early or late.

1 lb. 10c, 3 lbs. 25c, 1 peck \$1.00, 1 bushel \$3.25.

RADISH White Munich

The excellence of this radish is found in the quite pronounced, but nevertheless agreeable, pungency of its flavor. It is very crisp and tender, and has an extremely smooth and fine grained skin with no tendency to throw out side roots. Its form is shown in the illustration. It is suitable for forcing and outdoor cultivation.

Packet 5c, ounce 10c
 $\frac{1}{4}$ lb. 20c, 1 lb. 65c



WHITE MUNICH RADISH

VEGETABLE MARROW. This is one of the most important vegetables in the English markets, but little known in this country. The fruit is generally eaten when it is less than half grown, as the flesh is then very tender and marrowy. Packet 5c

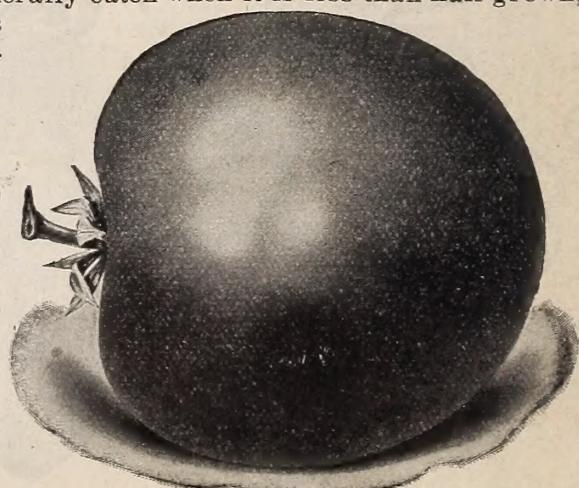
CHALK'S EARLY JEWEL TOMATO

The largest, smoothest, and finest flavored extra-early bright red Tomato!

Within a week to ten days as early as Earliana, it is even a heavier cropper, with fruit of larger size and sweeter flavor,—produced continuously throughout the season. Packet 5c, ounce 25c, $\frac{1}{4}$ pound 75c

LIVINGSTON'S GLOBE TOMATO

In shape it is notably distinct, being a beautiful globe, with quite a percentage of elongated fruits. It is of large size, and a good marketable size is maintained throughout the season; smooth, firm-fleshed, a fine glossy rose in color, tinged with purple. Ripens evenly and is very productive. Packet 5c, ounce 25c, $\frac{1}{4}$ pound 75c



LIVINGSTON'S GLOBE TOMATO

.. NOVELTIES IN FLOWER SEEDS ..

New White Aster "Unicum." This grand new Aster, two feet in height and of vigorous branching habit similar to that of the Hohenzollern Aster, differs essentially in form of flowers from all other large flowering classes. When the buds begin to show color, they are composed of very fine thread-shaped florets, gracefully turned and twisted towards the center, which in unfolding change into long, narrowly channelled petals regularly expanded in all directions, presenting beautiful, loose flowers of wonderful form, 4 to 5 inches in diameter. Splendid variety for cutting and for exhibition purposes. About 60 to 70 per cent. come true from seed. Packet 15c, 2 for 25c



GAILLARDIA
GRANDIFLORA

NEW CRIMSON HARDY GAILLARDIA

Gaillardia Grandiflora Maxima Kermesina Splendens

A magnificent color; rich crimson center with a border of canary yellow. The flowers are immense, often 4 inches across and are borne on long stout stems.

They are among the showiest and most effective hardy perennial plants, and should find a place in every hardy border. They thrive in almost any position and soil, require no protection, and practically take care of themselves. If sown early they begin flowering in July, continuing a mass of bloom until frost; fine for cutting; 2 feet. Packet 10c

Ever-Blooming Annual Hollyhock

Commences Flowering in Twelve Weeks from Seed, and Continues to Bloom until Frost

This new strain possesses all the virtues of the double old-fashioned Hollyhocks with the additional advantage of blooming from seed the first year. Plants started from seed sown in March or April in the house or hot bed, transplanted in May into their permanent place, will bloom in August and continue until late in the fall. The plants branch out freely, grow to a good height, and are not easily attacked by the Hollyhock fungus, and therefore retain their fresh, bright green leaves until late. The flowers are double, semi-double and single. Packet 10c

KOCHIA TRICOPHYLLA or SUMMER CYPRESS

A highly ornamental annual of unusually rapid growth, forming regular pyramids from two to three feet in height, and having a cypress-like appearance. The leaves are slender and of a light pea-green until September, when they change to carmine and blood red. Its bright autumn coloring has given it two other names, viz.: "Mexican Fire Plant" and "Burning Bush". The flowers are minute but countless. Sow indoors in April and plant out in May, or sow in open ground in May. Plants do best in a sunny exposure, about 2 feet apart. Packet 10c

Hybrids of Nicotiana Sanderae. These superb sorts have been obtained by crossing *N. Sanderae* with *N. Alata* and *N. Sylvesteris*. The flowers are as large as those of the carmine variety and are borne in equal profusion. They come in 8 colors, ranging from pure white to deep scarlet, some of the intermediate tints being of exquisite beauty. Per collection, one packet each 8 colors, 25c

GIANT ROYAL SWEET SULTANS

Centaurea Imperialis Gigantea

This is a giant form of the Royal Sweet Sultan offered on page 46. The plants are extremely vigorous, and form upright bushes about 5 feet high, while the immense, pure white, fragrant flowers are borne on straight stems up to 30 inches long. Packet 10c



EVERBL. ANNUAL HOLLYHOCLS

NEW VARIETIES OF SWEET PEAS

Agnes Johnston. A bright rose-pink standard, shaded cream; wings cream, slightly flushed with the same bright rose-pink as the standard; a broad, fully expanded flower, of good medium size and fine substance. Strong growth and constitution. Packet 5c, ounce 10c, 2 ounces 15c, $\frac{1}{4}$ pound 25c, pound 75c

Orchid Flowering Sweet Peas A New Class

Countess Spencer Hybrids. Here we have a new and distinct form in Sweet Peas. The flower stems are unusually long and the flowers are so set on the stem that there is a graceful fluffiness to a bunch of them in distinct contrast to the ordinary kinds of Sweet Peas. The wings and standards of the flowers are very large, and its graceful form with the immense size make it certain to supersede all older kinds of Sweet Peas, as fast as standard colors appear and become fixed. In our mixture of this new class will be found deep pink, light pink, orange pink, white with pink edging. Every lover of Sweet Peas should try this new race. Packet 5c, ounce 15c, $\frac{1}{4}$ pound 35c



Countess Spencer. (Type) A grand large flower of finest form and most beautiful coloring. The flowers are not only of extremely large size, but are distinct in having the outer edges of the standard and wings beautifully crumpled or waved. The coloring is a silvery white, suffused with soft rose-pink, which deepens at the outer edges and becomes still richer or more heavily suffused in cool weather. In size, form, and coloring, Countess Spencer is simply exquisite and beyond the power of words to describe. Packet 10c, ounce 25c, $\frac{1}{4}$ pound 75c

John Ingman. This is a selection from Countess Spencer, producing magnificent, large flowers of rich salmon-rose, with the same wavy appearance peculiar to the type; very beautiful. Packet 10c, ounce 30c, $\frac{1}{4}$ pound \$1.00

Gladys Unwin. Has a very large and bold flower, not hooded, but with a striking upright crinkled or wavy standard and broad wings. Color, a pale rosy pink. A striking feature is that about 75 per cent of the long flower stems are with **four blooms** which is a most unusual thing in Sweet Peas. Packet 5c, ounce 25c, $\frac{1}{4}$ pound 75c

Helen Pierce. This is a new gloxinia-flowered Sweet Pea. In color it is a combination of very bright blue and white, not striped, but marbled blue on a white ground, with the veins showing a little deeper, exactly like a mottled gloxinia. The flowers are large, of perfect shell-shape, and make a beautiful decoration, especially when bunched by themselves. Packet 10c, ounce 25c, $\frac{1}{4}$ pound 75c

GLADIOLUS PRINCEPS 2-5 NATURAL SIZE

NEW LARGE GLADIOLUS, PRINCEPS

One of the finest and most handsome varieties yet produced. It grows from 3½—4 feet high, with very broad and handsome foliage, which forms a grand setting for the brilliant amaryllis-like blooms. The color is rich crimson, with intense shadings in the throat and broad white blotches across the lower petals. The flowers measure 5 inches in diameter. Each 15c, dozen \$1.50

NEW GLADIOLUS, AMERICA

The finest pink gladiolus produced to date. Beautiful soft flesh pink, very light, slightly tinged with lavender, which gives it the delicate coloring of the most beautiful lælia. Strong, erect spike of the largest flowers, set to show to the best advantage. Each 15c, dozen \$1.50

NEW GLADIOLUS, MRS. FRANCIS KING

The color of the flower is a light scarlet of a very pleasing shade, which attracts attention at once. The flowers are very large, usually measuring from 3½ to 4 inches in diameter, and are borne on long stems with from four to six flowers open at a time. Each 15c, dozen \$1.50

GENERAL LIST OF

Standard Vegetable Seeds

For Market and
Home Gardens

ALL STANDARD VARIETIES OF REAL VALUE may be found in this department. We exclude everything worthless; omit the endless number which are out of date; avoid misleading descriptions, and do not offer same varieties under different names. It has ever been our endeavor as seedmen to make **Highest Quality** the first consideration and then to fix our prices as low as **Good, Reliable Seeds** can be sold. Department and other stores sometimes offer seeds in packets at seemingly low prices. Examination will show that the packets, though bright and attractive, are small, often containing less than one-sixth as much as one of ours, and trial will demonstrate that, even if the seeds have sufficient vitality to come up, the product will be unsatisfactory. The use of these poor seeds **always** results in disappointment and loss. The best is **always** the cheapest. We offer you the **very best seeds** which can be produced, and at the lowest prices consistent with the highest quality. **All Seeds, except where noted, 5c per packet.**

ASPARAGUS SEED

1 oz. will sow 60 feet of row and produce about 500 plants.—To grow Asparagus plants from seed, sow in drills about one inch deep, in rows a foot apart. Keep the soil mellow and free from weeds during the summer, and in the fall or spring the plants may be set out in beds about a foot apart each way with the crowns four inches below the surface. Before winter cover the transplanted beds with four inches manure. Sow a little salt on the surface in the spring and it will keep down the weeds.

Columbian Mammoth White.—Shoots are white and remain so without earthing or blanching. It is stronger in habit, throws larger shoots and fully as many as Conover's Colossal.

Per packet 5c, ounce 10c

Conover's Colossal.—The standard green variety, of large size, tender and of excellent quality. Per packet 5c, ounce 10c

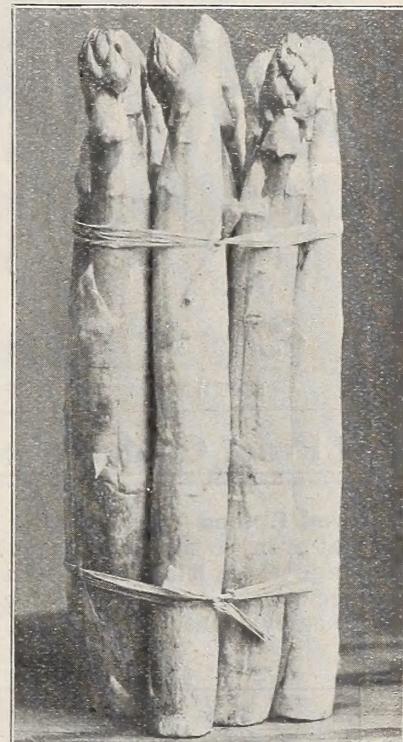
Palmetto.—Large size, even and regular in growth and appearance. Immensely productive and of the best quality. Pkt. 5c, oz. 10c

ASPARAGUS ROOTS. If desired by Mail, add 50c per 100 for postage.

Colossal.— { 2-year old plants. Per Doz. 15c
Columbian Mammoth White.— { One-hundred, \$1.00 by express.

ASPARAGUS KNIVES.—

Each 35c



ASPARAGUS
COLUMBIAN MAMMOTH WHITE

BEANS

DWARF or BUSH

One Quart to 100 Feet of Drill or to 200 Hills.

Two Bushels per Acre in Drills, : : : :

Culture. The soil best adapted to Beans is a light, rich, well drained loam, which was manured for the previous crop. If too rank manure is used it is apt to make them grow too much to vine. Beans are extremely sensitive to both cold and wet, and it is useless to plant them before the ground has become dry and warm. The largest return will result from planting in drills from two to three feet apart and leaving two to six plants to the foot of row. Up to the time of blossoming they should have frequent shallow cultivation, but any cutting of the roots after the plants come into bloom is liable to cause the blossoms to blast and so cut off the crop. Remember that beans should always be cultivated very shallow, and that it is useless to expect a crop from a field so poorly prepared as to need deep stirring after planting.

GREEN PODDED SORTS

Stringless Green Pod—Early; productive; perfectly round, fleshy, 5—6 inches in length and entirely stringless. Per pint 15c, quart 30c

Longfellow—The pods are about 6 inches long, pale, soft green, straight and round, of delicious flavor; early and abundant bearer. Per pint 15c, quart 30c

Improved Extra Early Red Valentine.—Ten days earlier than any other strain of this well-known variety. \$0 15 \$0 30

Early Long Yellow Six Weeks.—Early, with full, flat green pods. 13 25

MOHAWK, or Early Brown Six Weeks.—Pods long, flat, straight. 13 25

Extra Early Refugee.—Has all the qualities of the Refugee, and is ready for the market at least ten days earlier. 13 25

REFUGEE, or 1000 to 1.—Pods round, green, waxy and fine in flavor. Excellent for pickling. 13 25

CANADIAN WONDER.—Prolific and long in bearing. *Valuable for Pickling or Canning.* 15 30

Royal Dwarf.—Pods straight and flat. Seed kidney-shaped; good shell bean. 13 25

Broad Windsor.—Matures in fifty days after germination. 15 30

Burpee's Bush Lima.—Eighteen to twenty inches high. An immense yielder. Pods well filled with very large beans, identical in size and luscious flavor to the well known large pole Limas.

Per pint 20c, quart 35c

WAX BEANS



EXTRA EARLY REFUGEE.

Wardwell's Early Kidney Wax.—*The Best Early*

Wax Bean for the Market Gardener. Nearly a week earlier than the Golden Wax and yields one-third more, but the most valuable point in its favor is that it is almost entirely free from rust and spots. The pods are long and showy, very tender, and of excellent quality, and assume a rich golden color at an early stage of their growth.

½ pint. 10c, pint 18c, per quart 35c.

Davis Wax. An exceedingly hardy, productive, white seeded wax bean.

All of the pods are very long, white, straight and handsome. The vine is rustless and very vigorous, bearing near the center many clusters some of which extend above the foliage. When young the pods are very brittle, crisp and tender. The dry beans are kidney-shaped, clear, white, and excellent for baking. The length, perfect shape and fine color of the pods, and the clear, white seeds make this **One of the Best for Canners.** See illustration from photograph, plate I.

½ pint 10c, pint 15c, quart 30c.

Rust Proof Golden Wax.

—(Black Seed.)—It is very early and productive, of excellent quality and entirely free from rust; flat pods.....

	½ pt.	Pint	Quart
\$0 10	\$0 15	\$0 30	

Improved Golden Wax.—Strong in growth, attractive in appearance. A variety that everybody should have.....

10	15	30
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Challenge Dwarf Black Wax.—An extra early strain of the Black Wax. Round pods.....

10	15	30
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Refugee Wax.—A perfect Refugee, with long, round, yellow wax pods, Suitable for early or late sowing, and an immense yelder.....

10	15	30
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DAVIS WAX BEAN.

POLE BEANS.

in the center for the pole. When well started, thin to 2 or 3 plants in a hill.

IMPORTED GIANT SWORD POLE.—A splendid variety, introduced by us. Vine vigorous and very productive, bearing its pods in large clusters. Its long, wide, showy green pods are very crisp; one of the best pole beans in cultivation.

$\frac{1}{2}$ pint 20c, pint 40c, quart 75c

Golden Carmine Podded Horticultural.—The pods are large, stringless, bright golden color when very young, mottled and streaked with an unusually bright carmine as they approach full size.

$\frac{1}{2}$ pint 10c, pint 20c, quart 35c

Pole Beans are more tender and require more care than the bush varieties, and should be planted two weeks later; they succeed best in sandy loam, liberally enriched with manure.

Form hills 3 to 4 feet apart; plant 5 or 6 beans in a hill, about 2 inches deep, leaving space

Kentucky Wonder or Old Homestead.—The long fleshy pods are entirely stringless and of finest quality.

$\frac{1}{2}$ pint 10c, pint 15c, quart 30c

Scarlet Runner.—A favorite both as snap bean and for its bright scarlet flowers,

$\frac{1}{2}$ pint 10c, pint 15c, quart 30c

King of the Garden Lima.—Pods of largest size, filled with four or five immense white beans of finest quality.

$\frac{1}{2}$ pint 10c, pint 15c, quart 30c

All Pole Beans 5c per packet

If wanted by mail add at rate of 15c per quart.



Brussels Sprouts.

Brussels Sprouts are little cabbage which spring in considerable numbers from the main stem. They have a very delicate flavor and should be more commonly grown in the home garden. Grown like cabbage, but occupy less space. See illustration above.

Packet 5c, ounce 15c

BEET.

A rich, deep, light soil is particularly necessary for a successful growth of beets. For early supply, sow soon as the ground can be worked, in drills 18 inches apart, 1 inch deep. For autumn and winter crops, sow from the middle of May to the first of August.

Extra Early Egyptian Blood Turnip.—The earliest, and most excellent in quality. Deep crimson in color. The best variety for forcing and excellent for first-early crop out of doors, being very early, with small top. Flesh dark red, zoned with lighter shade, firm, crisp and tender.

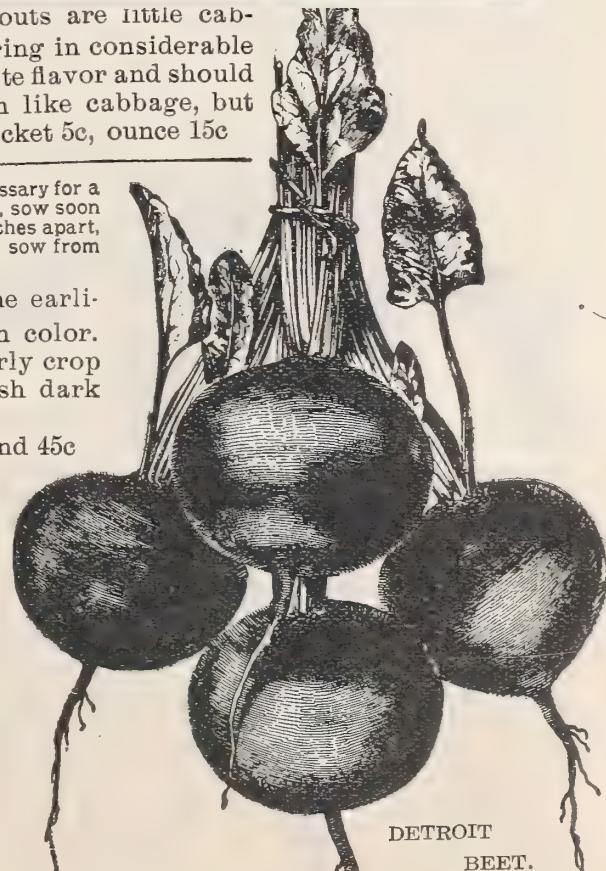
Packet 5c, ounce 8c, $\frac{1}{4}$ pound 20c, pound 45c

Crosby's Egyptian.—A selection from that standard market beet, Extra Early Egyptian, which retains the earliness of the parent stock and has added thickness, giving it a more handsome shape. Very small tap root, deep rich color, splendid quality, and very rapid growth. Much in demand by market gardeners for forcing.

Packet 5c, ounce 10c, $\frac{1}{4}$ pound 20c, pound 60c

Detroit Dark Red Turnip Beet.—See illustration at right and description on following page.

SWISS CHARD.—Far superior to common beet for greens, and equal to spinach. See under Spinach.



Beet. Detroit Dark Red Turnip.—The most desirable (Continued.) extra early beet for planting out of doors. Especially valuable for market gardeners, being of such compact growth that more marketable beets may be grown on a given area than any other. Perfect shape, flesh bright red, zoned with a lighter shade. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c



Chicago Market.—Dark

blood red. Turnip shape; smooth small tops, fine small tap root. Excellent keeper.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c

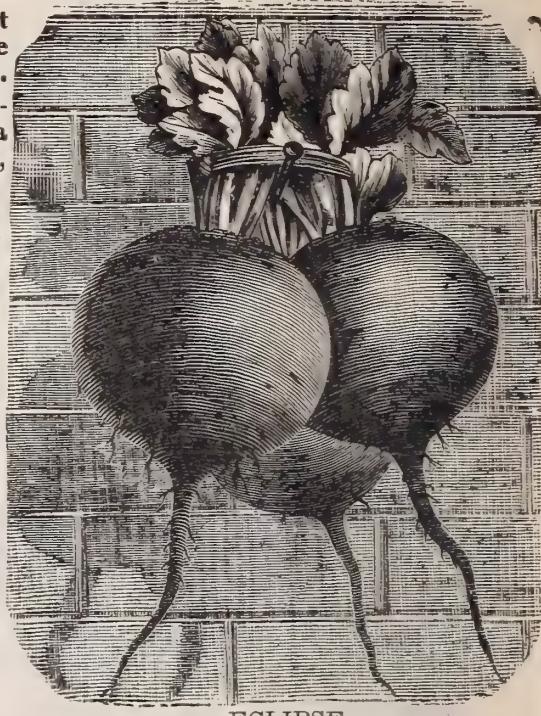
Eclipse.—A round rooted, blood red table Beet of high merit.

Pkt. 5c, oz. 8c, $\frac{1}{4}$ lb. 15c

Early Dark Red Turnip.—

Pkt. 5c, oz. 8c, $\frac{1}{4}$ lb. 15c

Half Long Blood—The flesh is rich dark red, very sweet, crisp and tender, never becoming woody, even in portions above the ground and retains its good quality longer than other sorts. We consider this the most valuable variety for winter and spring use.



ECLIPSE.

Packet 5c, ounce 8c, $\frac{1}{4}$ pound 15c
Swiss Chard or Sea Kale.—The midrib of the leaf may be used, or when very young the entire leaf, as a table vegetable like Spinach.

Per packet 5c, ounce 8c, $\frac{1}{4}$ pound 15c

Mangel-Wurzel and Sugar Beet.

GROWN FOR FEEDING STOCK

THE VALUE of Mangels for stock feeding cannot be over-estimated. The results from their use are clearly seen in the improved health and condition of animals, the increased flow and quality of milk from cows, and the saving in fodder. Mangels yield enormously if the soil is rich, and can be grown at trifling cost. Everyone who keeps even one cow should grow a patch of Mangels for winter feed.

Sugar beets are not as heavy yielders as Mangels, but they are of better quality, abounding in saccharine matter. For sugar producing purposes these beets are grown exclusively in Europe and in some localities in our own country.

Culture. Both Mangels and Sugar Beets require deep, well enriched soil. Sow in May or June in rows 18 inches to 2 feet apart, and 3 to 18 inches in the rows. As soon as frost occurs, dig the crop. About $\frac{1}{4}$ pound are required for an acre.

SUGAR BEET. Vilmorin's Improved.—In this variety we have



one of the richest sorts in cultivation, not only that, but it will do better on new lands, suffer less from any excess of nitrogen, and will keep the best of any. Yields from ten to sixteen tons per acre,

and contains under favorable conditions, as high as eighteen per cent. of sugar.

Oz. 5c, $\frac{1}{4}$ lb. 10c, lb. 25c

Klein-Wanzleben.—This is the variety of Sugar Beet which the analytical chemists of the German Beet Sugar Factories have united in recommending as possessing the highest sugar-producing qualities, which scientific investigations have fully sustained by the practical results of sugar making in the factories, as much as eighteen tons of sugar having been made from one hundred tons of roots of this variety.

Oz. 5c, $\frac{1}{4}$ lb. 10c, lb. 25c

Imperial Sugar.—Skin cream color; flesh white; an average of fifteen tons can be produced per acre.

Oz. 5c, $\frac{1}{4}$ lb. 10c, lb. 25c

KLEIN-WANZLEBEN

Mangel.



GOLDEN TANKARD.

LONG RED.—A very productive variety, used for cattle feeding. It is of immense size and an excellent keeper. Oz. 5c, $\frac{1}{2}$ lb. 10c, lb. 25c

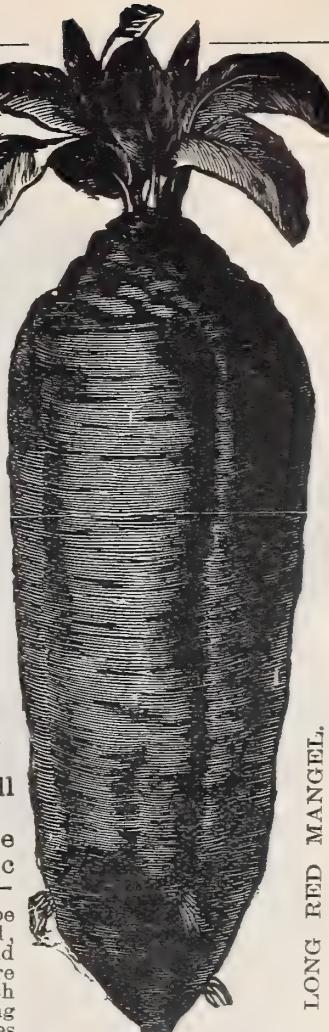
Golden Tankard.—The best type of intermediate Mangel; small top, broad shoulders, smooth rich skin, very solid flesh, golden stem. This variety admits of close culture, and will be found a heavy producer. Oz. 5c, $\frac{1}{2}$ lb. 10c, lb. 25c

Champion Yellow Globe.—More easily handled than the mammoth varieties. Fine cattle feeding roots. Oz. 5c, $\frac{1}{2}$ lb. 10c, lb. 25c

"Erfurt Model."—Perfectly cylindrical, the top being of the same diameter as the bottom. It has attained the highest perfection of any known variety. It forms one root only, has no sides roots, and grows almost above the soil. The skin is of a reddish yellow color. The flesh is yellowish white with regular golden yellow rings, is very firm without being spongy and hollow, and is highly recommended for feeding purposes. Oz. 5c, $\frac{1}{2}$ lb. 15c, lb. 40c

Large Obendorf Red.—The roots grow to a large size, are rounded on top and flattened underneath, almost entirely overground, the heaviest cropping and the finest of all Globe varieties. Oz. 5c, $\frac{1}{2}$ lb. 15c, lb. 40c

Large Obendorf Yellow.—Differs from the above in color only. Oz. 5c, $\frac{1}{2}$ lb. 15c, lb. 40c



LONG RED MANGEL.

CABBAGE.

Culture. The ground must be highly manured, deeply dug or plowed and thoroughly worked to insure good, full-sized heads. A heavy, moist and fresh loam is the most suitable. Sow early in the spring

in hot-bed, or later in open ground. Plant about 18 inches by two feet apart. The late varieties are usually sown by the middle of May, in rows three feet apart, and two feet apart in the rows. 1 oz. will produce 1,500 plants.

Early Cabbage. *Early Jersey Wakefield Select.*—The Earliest and Hardest Heading of Extra Early Cabbages. Heads conical; very compact.....

Pkt. Oz.
\$0 05 \$0 25

EXTRA EARLY ALPHA.—General character that of the Flat Dutch, but much earlier.

05 30

Very solid and free from loose or waste of leaves.....

05 25

EARLY SPRING.—Becomes solid enough for use about as early as Jersey Wakefield.

05 25

Similar in form to Flat Dutch. Short stem, compact head.....

05 25

CHARLESTON OR LARGE WAKEFIELD CABBAGE.—Larger than the Jersey Wakefield, a little later, and the head not so pointed.....

05 25

CASSEL CABBAGE.—A favorite, early, German variety, very solid and excellent for the family garden. Blunt peak.....

05 20

All Seasons Cabbage.—It is as good for Late Market or Winter as for Early. Stands hot sun and dry weather well.....

05 15

Henderson's Early Summer. Is about 10 days later than the Jersey Wakefield. May be classed among the best large second early Cabbages.....

05 20

Henderson's Succession.—About one week later than the early Summer, but larger....

05 15

FOTTLER'S BRUNSWICK.—Heads large, flat, compact and solid, and of fine quality....

05 15

Filderkraut—Pointed heads.....

05 15

Late Autumn and Winter Varieties.

Long Keeping.—A very handsome and extremely hardy cabbage, which is growing in popularity having proven one of our best winter sorts. It is highly prized in Denmark, and grown there almost exclusively for winter cabbage. The heads are of good marketable size, not quite so large as Flat Dutch, but very hard, round, fine-grained, and will weigh one-fourth more than other varieties of equal size.

Per packet 5c, ounce 25c

Hollander Cabbage. As this variety is very hardy, very handsome, very solid, one of the best keepers and of fine Quality, it is one of the best for growing for distant markets or for late Spring use.

Per packet 5c, ounce 25c, $\frac{1}{2}$ pound 75c



EARLY JERSEY WAKEFIELD.

HOLLANDER CABBAGE--Select



HOLLANDER CABBAGE—SELECT.

duce a crop of more uniformly typical heads than can be grown from seed offered by any other dealer.

Packet 5c, ounce 25c, $\frac{1}{4}$ pound 75c

THIS variety came originally from Europe.

The plant is very vigorous, rather compact growing, with a longer stem than most American sorts, and is exceedingly hardy, not only in resisting cold but dry weather as well. The head is made up of very thick, broad leaves which overlap each other more than most sorts. It is very solid, and stands shipment so well that it arrives at its destination in very attractive condition. In quality, it is one of the best, being very white, crisp and tender.

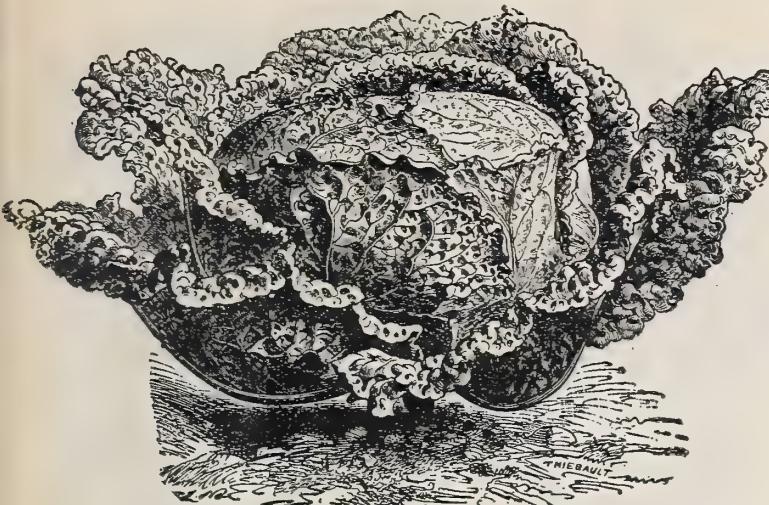
We have given a great deal of attention to this variety and offer seed which we believe will pro-



SELECT ORANGE DANVERS HALF-LONG CARROT



SELECT CHANTENAY OR MODEL CARROT



SAVOY CABBAGE, LATE GREEN CURLED VERTUS.

RED CABBAGE. DALLWIG'S EARLY DARK RED.

By far the best medium-sized and surest heading red cabbage. Color, deep, rich red. Many successful market gardeners choose this for their entire crop of red cabbage, pronouncing it the best of all. Pkt. 5c, oz. 20c

IMPROVED RED STONE HEAD.—*This is one of the best and surest heading medium-sized red cabbages ever introduced. Round very solid and of deep red color.*

Pkt. 5c, oz. 25c

Large Dark Red Dutch.—Large heads, round in shape, of deep color and remarkably hard and solid. For pickling and table use.

Packet 5c, ounce 20c

Large Blood-Red Dutch.—Good quality; late.

Packet 5c, ounce 20c

Early Blood-Red Erfurt.—Heads hard, solid and of an intense blood-red color. Very early, valuable for pickling.

Per packet 5c, ounce 20c

Mammoth Rock Red.—The heads are as large as the Early Summer, and as dark and solid as any of the smaller varieties.

Per packet 5c, ounce 25c

CARROTS.

According to varieties. Keep your plants well cultivated.

One ounce 100 ft. drill; 3 lbs. per acre. For early crops sow as soon as ground can be worked, in drills one inch deep and one foot apart (3 feet for field culture), from middle of May until first of July, thinning four to eight inches apart.

HALF LONG SCARLET NANTES.—(Stump Rooted). Roots cylindrical, smooth, bright orange.

Packet 5c, ounce 10c, $\frac{1}{2}$ pound 25c

Early Scarlet Horn.—A old and favorite sort for early crop, but not large enough to be suitable for general culture.

Packet 5c, ounce 10c, $\frac{1}{2}$ pound 25c

Early Half Long Scarlet Carantan.—The skin is smooth flesh red, and without any core or heart.

Per packet 5c, ounce 10c, $\frac{1}{2}$ pound 25c

CHANTENAY OR MODEL.—Thicker at the shoulder than the Nantes. The flesh of a beautiful deep golden orange and tender.

Packet 5c, ounce 10c, $\frac{1}{2}$ pound 25c

SELECTED CHANTENAY OR MODEL.—This special strain of Chantenay Carrot is grown from selected, perfect roots only. It will run more uniform in shape and color than any other strain. It is the best early bunching Carrot, stump-rooted, smooth, of deep color, and fine grained. A heavy cropper.

Pkt. 5c, oz. 10c, $\frac{1}{2}$ lb. 30c

NANTES.



See half-tone illustration from photograph

CABBAGE Late Varieties. Cont'd.

Surehead.—Large, round, very hard, uniform heads. Pkt. 5c, oz. 20c

Magdeburg.—Large, late, flat, favorite Sauerkraut sort. Pkt. 5c, oz. 15c

Flat Dutch.—Standard large, late, flat variety. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c

SAVOY CABBAGE.

Early Dwarf Ulm.—Small, solid heads with thick, fleshy, green leaves.

Blumenthaler.—Early, yellow, curled.

Vertus.—Late, green, curled. An excellent variety of fine flavor; heads large and showy.

Any of above, Pkt. 5c, oz. 15c



LATE FLAT DUTCH.

For pickling and table use.

Packet 5c, ounce 20c

Large Blood-Red Dutch.—Good quality; late.

Packet 5c, ounce 20c

Early Blood-Red Erfurt.—Heads hard, solid and of an intense blood-red color. Very early, valuable for pickling.

Per packet 5c, ounce 20c

Mammoth Rock Red.—The heads are as large as the Early Summer, and as dark and solid as any of the smaller varieties.

Per packet 5c, ounce 25c

See half-tone illustration from photograph

CARROTS. (Continued)

✓ **Ox Heart or Guerande.**—It is intermediate as to length between the half-long varieties, (such as Danvers) and the Short Horn carrot, but much thicker than the latter, attaining a diameter of from three to four inches at the top. It is of fine quality for table use. Flesh fine grained; bright orange and sweet.

Packet 5c, ounce 10c, $\frac{1}{2}$ pound 25c



OX HEART CARROT.



COPYRIGHTED 1889 BY
BLANDRETH & SONS.

✓ **Orange Danvers, Half Long.**—Smooth well formed, orange carrot. Standard sort. Pkt. 5c, oz. 10c, $\frac{1}{2}$ lb. 25c

✓ **Select Orange Danvers Half Long.**—Best for general crop; rich orange color; heavy yielder; splendid keeper. Great improvement over the old Danvers. (See half-tone plate 1).

Per packet 5c, ounce 15c, $\frac{1}{2}$ pound 30c

✓ **Improved Long Orange.**—The old stand-by, both for table use and for stock feeding, for late summer and winter.

Per packet 5c, ounce 10c, $\frac{1}{2}$ pound 25c

✓ **Long Red Altringham.**—Largely grown for stock feeding and also for table use.

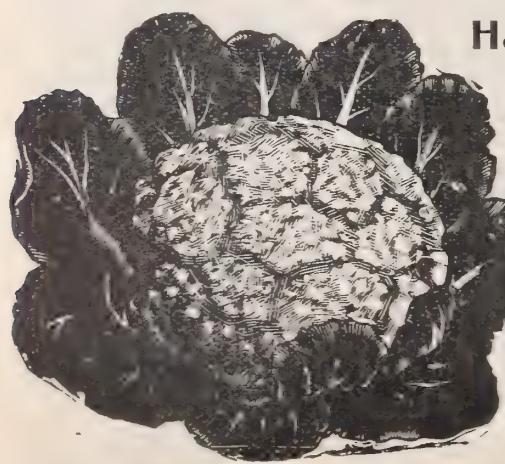
Per packet 5c, ounce 10c, $\frac{1}{2}$ pound 25c

✓ **Large White Belgian and Large Yellow Belgian.**—These grow to a very large size and are excellent for stock feeding.

Per packet 5c, ounce 8c, $\frac{1}{2}$ pound 20c

CAULIFLOWER

For spring and early summer use, sow about March 1st, in hot-bed, and transplant to cold frame when sufficiently large, and to the open ground as soon as ground is warm enough. For late autumn crop sow in the early part of May and transplant in June. In dry weather water freely, and as they advance in growth hoe deep and draw earth to the stem. When heading tie outside leaves loosely over the heads to protect from the sun.



EARLY SNOWBALL CAULIFLOWER.

Haage's New Dwarf Early.—The best sort for forcing as well as for outdoor culture. It is exceedingly early and hardy and is the surest to make a solid, compact, large, pure white head, which stands the heat better than any other variety. The Best for Early and Late Culture.

Per packet 15c

Extra Early Dwarf Erfurt.—Long the standard of highest excellence, and not much surpassed by any variety for field culture. Large, firm, pure white. Plant short-joined with narrow erect leaves.

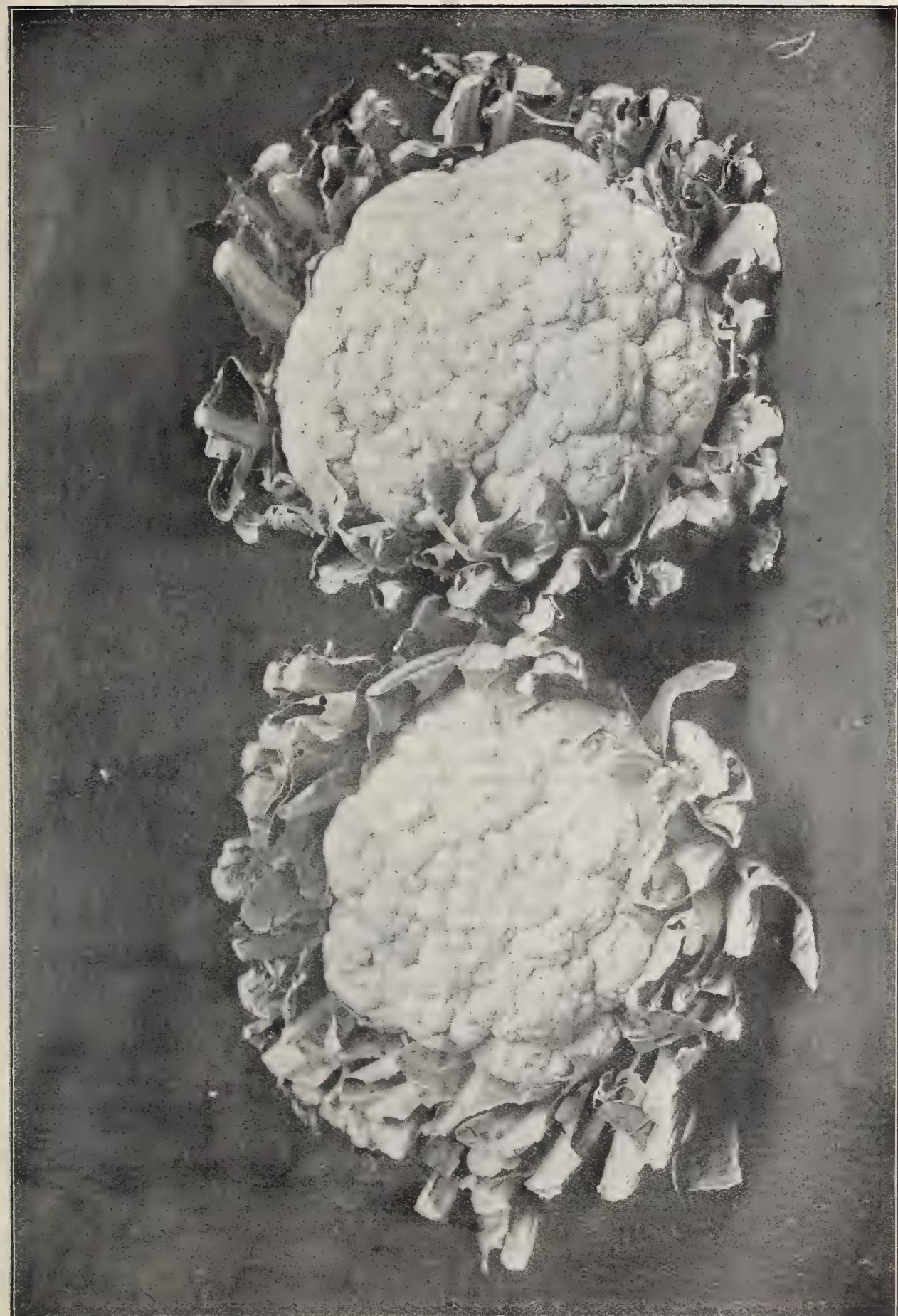
Per packet 10c,
(See half-tone illustration, plate 3.)

Early Snowball.—Admirable in all good qualities, extra early, good size, pure white, dwarf in habit, with few outside leaves.

Per packet 10c

Danish Snowball.—Beautiful large heads, which are solid, of fine and close grain and as white as snow.

Per packet 10c



EXTRA EARLY DWARF ERFURT CAULIFLOWER



GOLDEN SELF BLANCHING.

derson's Half Dwarf. Excellent flavor.

Boston Market.—It is very solid, white, of mild delicious flavor.

CELERY

Culture. Celery can be successfully grown with but little labor, in any good garden soil, by using plenty of well rotted manure with a liberal sprinkling of coarse salt worked into it, and this mixture should be put into the trenches, working it well into the soil, at least two weeks before the plants are transplanted into them. It delights however, in low, moist, rich bottom land. 1 ounce of seed for 2000 plants.

Golden Self-Bunching.—The beautiful appearance of the plant, with its close habit, compact growth and straight vigorous stalks, is faithfully shown in the illustration. The ribs are perfectly solid, crisp, brittle, and of delicious flavor, surpassed by no other variety, while it has the decided merit of self-blanching to a very remarkable degree. Without any banking or covering whatever, even the outer ribs become of a handsome, fresh, yellowish white color. The heart is large, solid and of a beautiful rich golden yellow color.

Per packet 10c, ounce 30c

The Best of the Standard Celeries.

	Pkt.	Oz.
White Plume.—Naturally white, so that it requires very little earthing up.....	\$0 05	\$ 15
Evans' Triumph. —Very strong and vigorous plant with large, very white, crisp, brittle, tender and fine flavored stalks. It is late and requires the whole season to develop but will keep longer than any other sort.....	05	20
Fin de Siècle. —It is the largest, hardiest, solidest, crispest, best keeper and best shipping winter Celery we know of.....	05	20
Giant Pascal. —Rich, nutty flavor, excellent for shipping. Good keeper.....	05	15
Crawford's Half Dwarf. —Also known as Hen-	05	15
Boston Market.—It is very solid, white, of mild delicious flavor.....	05	15

CELERIAC OR TURNIP ROOTED CELERY

Culture. Sow the seed in February or March and give same treatment as common celery. Transplant the young plants to moist, rich soil, in rows two feet apart.

Large Smooth Prague. An improved form of turnip-rooted celery, producing large and smooth roots, which are almost round, and with very few side roots. Plants vigorous, with large, deep green foliage.

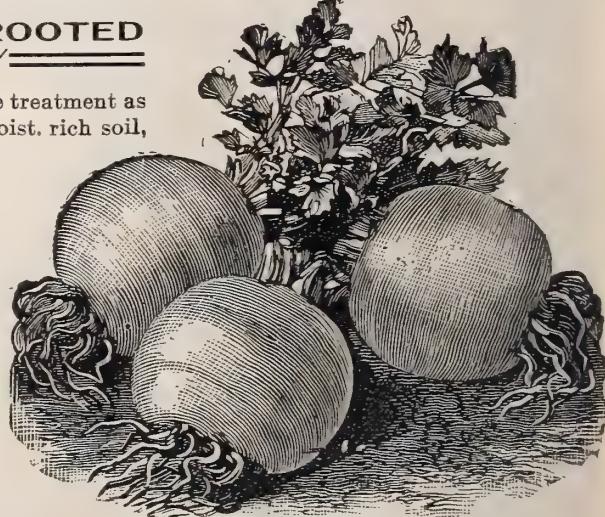
Packet. 5c, ounce. 15c

Apple Shaped.—A good variety with small foliage, and large tubers almost round in shape and smooth.

Per packet 5c, ounce 15c

"Delicatess"—Produces perfectly smooth, oval-shaped roots without side roots. The flesh is snow-white, tender, and of most delicious flavor. This Celery will produce good roots even on poor soil.

Packet 5c



LARGE SMOOTH PRAGUE.

CORN SALAD OR VETTICOST

Broad Leaved.—(LARGE SEEDED). Used as a small salad throughout the Winter and Spring. Sow thickly in drills, cover slightly first of Autumn and sprinkle with straw on the approach of severe weather, or sow in cold frames; thus it is accessible even when deep snow prevails.

Per packet 5c, ounce 10c, $\frac{1}{2}$ pound 20c

CRESS. Curled, or Pepper Grass. This small salad is much used with lettuce, to which its warm, pungent taste makes a most agreeable addition. The seed should be sown in drills about sixteen inches apart, on very rich ground, and the plants well cultivated. It may be planted very early, but repeated sowings are necessary to secure a succession.

Per packet 5c, ounce 8c

True Water. This is quite distinct from the last, and only thrives when its roots and stem are submerged in water. It is one of the most delicious of small salads and should be planted wherever a suitable place can be found. The seed should be sown and lightly covered in gravelly, mucky lands, along the borders of small rapid streams, and the plants will need no subsequent culture, as under favorable conditions they increase very rapidly by self sown seed and extension of the roots.

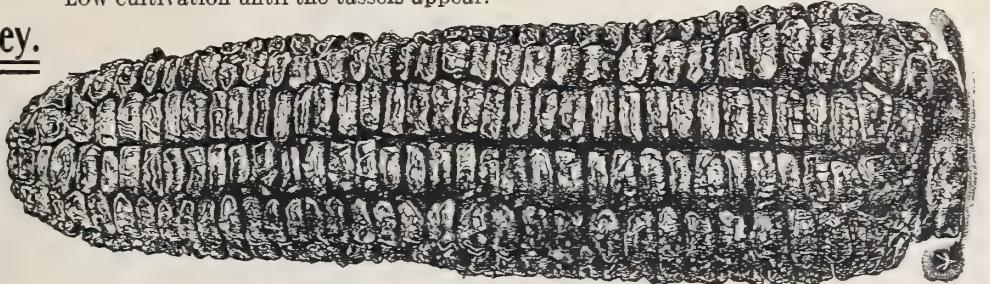
Per packet 5c, ounce 30c

CORN.**Mammoth White Corey.**

The Largest and Best
EXTRA EARLY SWEET CORN.

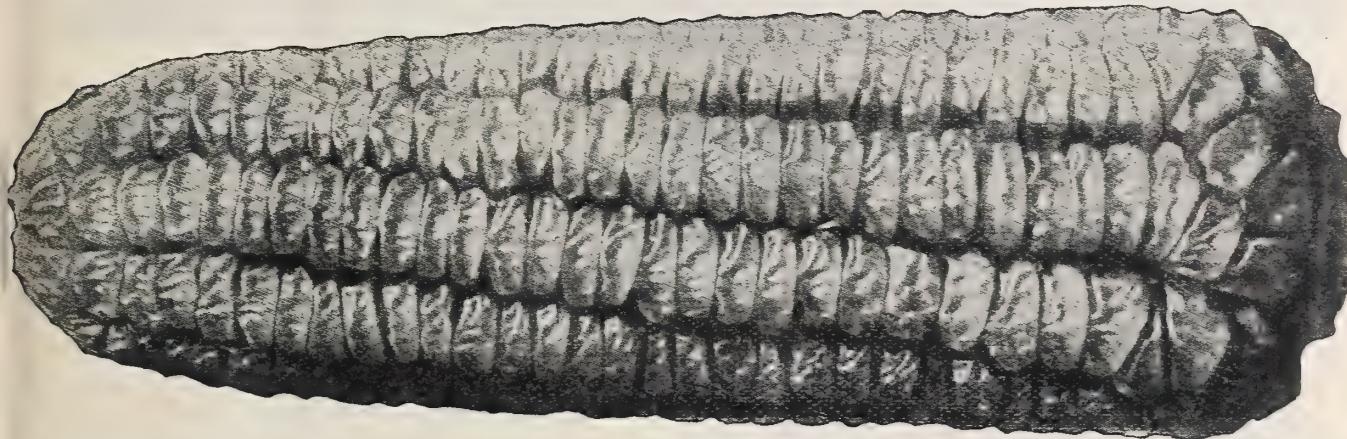
**NOTHING EARLIER,
NOTHING BETTER,
NOTHING LARGER,**

The ears are 12 rowed,
much larger than the
old Cory, and covered
with large, white grains of good quality. **The Beauty and Quality of this variety give it ready sale
even when the market is over stocked.** Gardeners should not fail to make their first plantings of this
best of extra early sorts.



MAMMOTH WHITE COREY.

1/2 pint 10c, pint 15c, quart 30c



"PEEP O' DAY"—The two points of this remarkable Corn are its extraordinary earliness and unparalleled sweetness, surpassing in these particulars any other known variety, early or late. By arranging the plantings a week or two apart, you may have this delicious corn throughout the entire season. It is wonderfully productive, stalks bearing from two to five ears each.

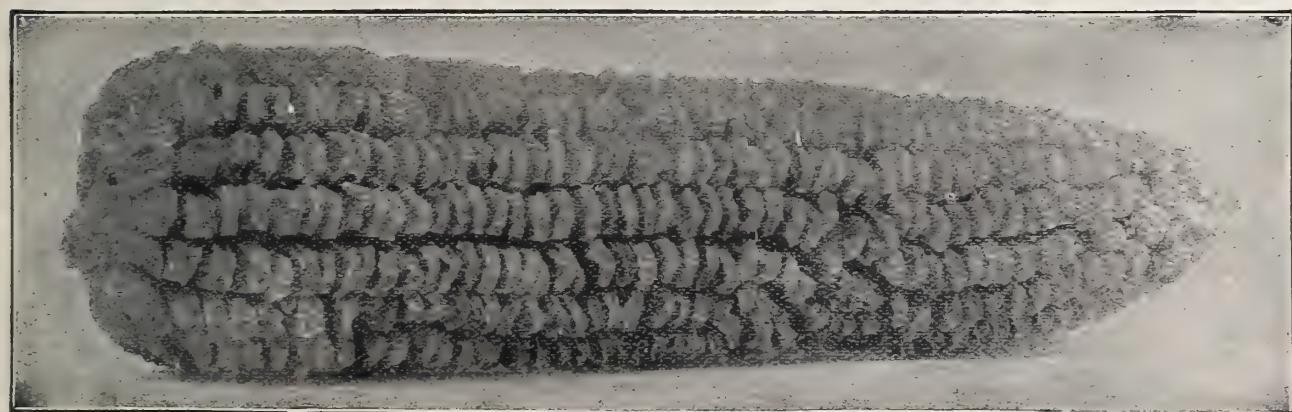
Packet 5c, pt. 15c, quart 25c, 4 quarts 75c

Country Gentleman.—**The Finest Sweet Corn for Private Use.** A short stalked, productive sort, frequently producing three ears to the plant. Ears large for so small a stalk; grain narrow and very deep, after form of shoe-peg. Highly recommended as one of the very best.

Per 1/2 pint 10c, pint 15c, quart 30c

Early Evergreen.—A valuable variety for market gardeners and the home garden. It ripens 10 days in advance of Stowell's Evergreen, and in quality is fully as good. Ears about 8 inches long with 12 or more rows of kernels, which are sweet and tender.

1/2 pint 10c, pint 15c, quart 30c



EARLY EVERGREEN CORN.

	1/2 Pt.	Pint	Quart
Early White Cory. —One of the earliest of all.....	\$0 10	\$0 15	\$0 30
Extra Early Minnesota Sugar. —A variety certain to give satisfaction. Kernels tender and sweet. Color white.....	10	15	30
Perry's Hybrid Sweet Corn. —A very fine early variety fully as early as the Minnesota and ears much longer.....	10	15	30

CORN...Continued. **ZIG ZAG EVERGREEN**—Sweeter, more productive, and remains fit for use longer than Stowell's Evergreen. Unequaled for canning. The best large eared, late sweet corn in cultivation. **STOWELL'S EVERGREEN**—A favorite among the late sugar corns. Matures for table about 80 days from germination. Vigorous growth. Excellent for market.

1 Pint	Pint	Quart
\$0 10	\$0 15	\$0 30
10	15	30



CUCUMBERS

The Cucumber is a tender annual and should never be planted in open ground unless settled weather arrives, for general crop about the middle of May. For pickles, plant from middle of June to the middle of July. By far the best results are obtained from plantings in warm, rich sandy loam. Prepare hills 4 feet apart each way, and mix with the soil of each a shovelful of well rotted compost. Sow thickly, and when all danger of insects is past ("Slug Shot" is sure death to the striped cucumber beetle), thin out all but three or four of the stockiest vines in each hill. As the cucumbers attain a sufficient size, both the perfect and the imperfect specimens should be picked at once, as fruit left upon the vines to ripen soon destroys their vitality, and consequently their productiveness.

Cumberland.—This new variety is of the hardy, white spine type, is a rapid, strong, and vigorous grower and very prolific in fruit. **The pickles differ from all other hardy sorts in being thickly set with fine spines over the entire surface, except the extreme stem end.** The form is exceptionally straight and symmetrical, thus being as choice for a slicing variety as it is for pickles. The flesh is solid, crisp, tender, and of excellent quality at all stages of growth. (See half-tone illustration plate 4).

Per packet 5c, ounce 15c



CUMBERLAND CUCUMBER.

CUCUMBERS. (CONTINUED). **Evergreen Early White Spine.**—The vine is vigorous and productive. The fruit is long, cylindrical, dark green, with very white, crisp and tender flesh.



Always remains deep green in color. Best sort for slicing. Excellent for culture under glass.

Packet 5c,
ounce 15c

EVERGREEN EARLY WHITE SPINE.

Improved Early White Spine.—Uniformly straight and handsome dark green, with a few white spines. Per packet 5c, ounce 15c

Arlington White Spine.—A strain of White Spine especially recommended for fine shape, uniformity of size, and dark green color. Desirable sort for forcing. Per packet 5c, ounce 15c

Short Prolific Pickle.—Recommended for pickling. Per packet 5c, ounce 15c

Chicago Pickle.—Undoubtedly the best cucumber for pickles. Fruit of medium length, pointed at both ends, with large and prominent spines; color deep green. Per packet 5c, ounce 15c

Jersey Pickle.—Very crisp and tender. Said to "green" better than any other variety.

Per packet 5c, ounce 15c

Nichol's Medium Green.—Always straight and smooth, dark green, tender and crisp.

Per packet 5c, oz. 15c

Long Green.—A good sort for pickles and for market.

Per packet 5c, ounce 15c

Turkey Long Green.—Long and slim; not equaled by any field variety. This is not the New England Long Green, but a much superior sort, being twice as long.

Per packet 5c, ounce 15c

Fordhook Famous.—The fruits are perfectly smooth and very dark green, 12 to 17 inches long, straight and solid. Flesh greenish-white, firm and crisp, an enormous cropper and a handsome table fruit, which never turns yellow.

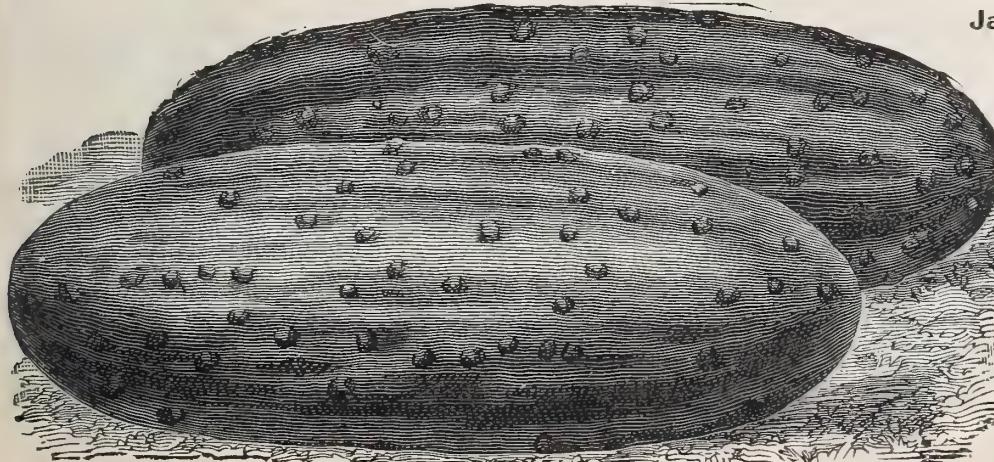
Packet 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.



CHICAGO PICKLE.

Burpee's Giant Pera.—Very smooth and straight; the skin is a beautiful medium green, perfectly smooth, free from spines, and retains its clear green color until ripe. They are very thick through, perfectly round, and from 15 to 18 inches long when matured.

Per packet 5c, ounce 15c



NICHOL'S MEDIUM GREEN.

Japanese Climbing—

Ten to twelve inches long, of fine green color; extra long vine. Very prolific.

Pkt. 5c, oz. 15c

Bismarck.—One of the best to grow under glass. Fruit long, slender, dark green.

Per packet 10c

Noe's Forcing.—Excellent prolific sort for growing under glass.

Per packet 10c



EGG PLANT.

EGG PLANT.

sun, drought, weeds and potato bugs. Throughout its growth take every precaution to avoid chilling. Use *Slug Shot* if you notice potato bugs on your egg plants.

Thornless Round Purple.—This variety has about superseded all others both for market and private use. The large size and high quality of its fruit and its extreme productiveness make it the most profitable for market gardeners. It often reaches a weight of 12 pounds. It is nearly round, high-colored and the vine is thornless.

Per packet 5c, ounce 30c

Endive

A tender and delicious salad for fall and winter use. Comes in after lettuce is gone. Should be sown in June or July and when nearly grown the tips are tied together to blanch the heart and remove the bitter taste.



ENDIVE.

Dallwig's Yellow Curled.—A very beautiful sort in which the leaves are very light colored, even the outer ones being nearly white. Plant moderately dense with divided leaves.

Yellow Moss Curled.—

Yellow Broad Leaved.—

Dallwig's Green Curled.—This is the hardiest variety, and very desirable for the home and market garden. The deep green leaves are beautifully cut and curled, easily blanched and become very crisp and tender and fine flavored.

Green, Curled Edge—

Broad Leaved.—

Green Moss Curled—

Per pkt. 5c, ounce 15c

KALE.

1 oz. to 1,500 plants. Seeds may be sown in a moderately rich soil, in an exposed situation, in April or May. In transplanting treat the plants like young cabbages. The center leaves are used as spinach, and are much improved by frost.

Dallwigs's Dwarf Green Curled.—Plant low and compact, but with large leaves curled, cut and crimped until the whole plant resembles a bunch of moss. It would be well worthy of its cultivation simply for its beauty. One of the best sorts for use, and when grown and cooked is one of the most palatable of vegetables. (See half-tone plate 5).

Half Dwarf Green Curled.— Packet 5c, ounce 15c

Dwarf Brown Curled.— Packet 5c, ounce 15c

KOHLRABI.

1 oz. to 1,500 plants. Grown for its turnip-shaped bulb which should be used when young and tender. It contains the flavor of Cabbage and Turnip and when properly prepared is one of the most delicious of vegetables. Sow in light, rich soil as early as possible, in drills 16 inches apart, and when well established, thin to 6 inches apart in row.

Dallwig's Star of the Market.—Much superior to Vienna. It is very early and the best for forcing as well as for outdoor culture. Bulb greenish-white, smooth, of finest texture and quality. Favorite Market Gardner variety. (See plate 4.) Pkt. 5c, oz. 20c

Early White Vienna.—A good market sort; flesh white and tender.

Packet 5c, ounce 15c

Early Purple Vienna.—Differs from the above in color only. Pkt. 5c, oz. 15c

Large Late Green.—Hardy and late. | **Large Late Purple**—

Packet 5c, ounce 15c | Packet 5c, ounce 15c



GIANT CARANTAN.

LEEK.

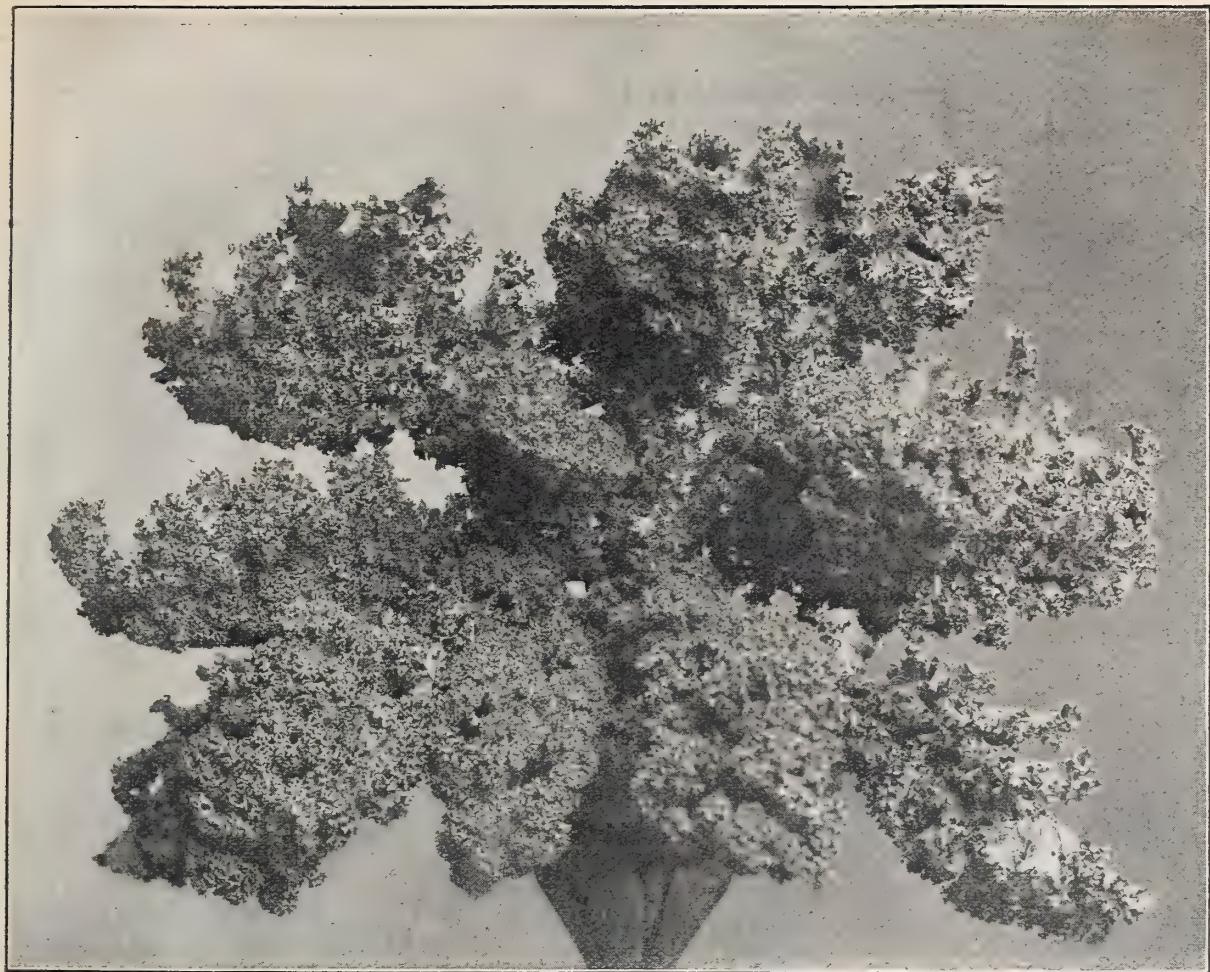
Sow very early in the spring, in drills six inches apart and one inch deep. Thin out to one inch. When about seven inches high, transplant them in rows twelve inches apart, and as deep as possible, but do not cover the young center leaves. Water thoroughly if dry when planted out. Draw up to them when they grow; rich soil is required.

Brabanter (Imported).—A large growing variety, with broad thick leaves.

Packet 5c, ounce 10c

Giant Carantan.—A mammoth growing variety, often 3 inches in diameter, of excellent quality, becoming very white and tender. Pkt. 5c, oz. 10c

Musselburgh.—Grows to a large size. Flavor mild and pleasant. Pkt. 5c, oz. 10c



DALLWIG'S DWARF GREEN CURLED KALE



Dallwig's Star of the Market Kohlrabi.



White Plume Celery.

LETTUCE LOOSE LEAVED VARIETIES

One Ounce will Sow 150 feet of Row

Black Seeded Simpson.—One of the best and most popular varieties, as it is attractive, of excellent quality, and continues a long time in condition for use. Packet 5c, ounce 10c, $\frac{1}{4}$ pound 25c

Grand Rapids.—The best sort for shipping. Stands more neglect in watering and ventilation, will grow more weight on the same ground and will stand longer after matured, than any other sort. Of handsome appearance, a strong grower, and not apt to rot, and will keep from wilting longer while exposed for sale than any other sort. The seed we offer is true Grand Rapids. Packet 5c, ounce 10c, $\frac{1}{4}$ pound 25c

Earliest Cutting.—Medium sized, early variety for cutting, keeps right on growing. Pkt. 5c, oz. 10c



BLACK SEDED SIMPSON.



ERFURT MAMMOTH YELLOW.

variety. Very large, solid heads of yellowish-green color.

German Incomparable.—Very large and solid. Edges of leaves tinged brown.

Golden Spotted. Golden yellow beautifully spotted brown.

Mammoth Black Seeded Butter.—A selected strain with large, solid yellow heads. Favorite market gardener variety.

Packet 5c, ounce 15c, $\frac{1}{4}$ pound 45c

New Forcing.—The U. S. Department of Agriculture says in part of this Lettuce: "Highly recommended to market gardeners as an excellent forcing sort of the butter class. For a lettuce of its size no variety grew better at Washington than this one. For compactness, solidity, and fine form no variety is more desirable." Seed for Department tests was furnished by us. Pkt. 5c, ounce 15c, $\frac{1}{4}$ lb. 50c

Paris Sugar.—Very large, solid and tender. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c

Prize Head.—Excellent home variety; tender and crisp, sweet in flavor. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c

Salamander.—Good-sized, compact heads; withstands drought and heat. Pkt. 5c, oz. 10c

HEAD LETTUCE

Asiatic.—Large yellow. Pkt. 5c, ounce 15c, $\frac{1}{4}$ lb. 35c

Big Boston.—A splendid shipper, sure header, reliable, and hardy. Packet 5c, ounce 15c, $\frac{1}{4}$ pound 35c

Brown Head.—Bright brown, interspersed very strikingly with bright green in less exposed or in depressed parts. Buttery and tender. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c

Deacon.—Large and very solid heads of an attractive light green color. Packet 5c, ounce 10c, $\frac{1}{4}$ pound 30c

Emperor Forcing.—Yellow, very early, for forcing only. Packet 5c, ounce 20c, $\frac{1}{4}$ pound 60c

Erfurt Mammoth Yellow.—Large and very firm Leaves yellowish green bordered yellowish white. Quality excellent; delicate, sweet, buttery in flavor.

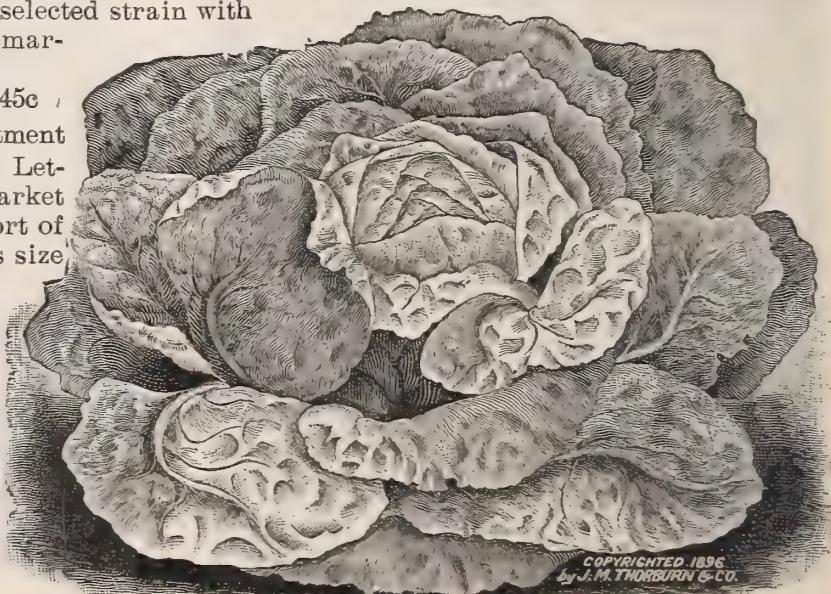
Packet 5c, ounce 20c, $\frac{1}{4}$ pound 65c

Dallwig's Defiance Summer.—*Absolutely the best for summer use.* Stands heat better than any other

Packet 5c, ounce 15c, $\frac{1}{4}$ pound 45c

Packet 5c, ounce 15c, $\frac{1}{4}$ pound 40c

Packet 5c, ounce 15c, $\frac{1}{4}$ pound 35c



MAMMOTH B. S. BUTTER.

HEAD LETTUCE

Continued

Silverball.—Silvery-white, very rich, buttery and of a most delicious flavor. Packet 5c, ounce 10c, $\frac{1}{4}$ pound 30c

Stonehead Golden Yellow.—For a rich, golden-yellow color no variety is more beautiful or desirable than this one. Heads rather small, but very compact and solid, and of superb quality. Packet 5c, ounce 20c, $\frac{1}{4}$ pound 60c

Stubborn Headed Yellow.—Large; one of the best varieties for general use; long standing before going to seed. Packet 5c, ounce 15c, $\frac{1}{4}$ pound 40c



ROCKY FORD.

cellent quality and delicacy of flavor. Flesh light green, exceedingly sweet, and fine grained.

YELLOW-FLESHED VARIETIES

Osage.—Exceedingly sweet and high-flavored. The most popular of all, and styled the "Queen of Melons". Slightly netted, medium sized and cocoanut-shaped. Flesh of rich salmon color.

Tip Top. **Tip Top in Quality** **Tip Top in Appearance** **Tip Top in Productiveness**

Sweet, juicy, finest flavor, firm (but not hard) fleshed, and edible even to the outside coating. The fruit is of large size, nearly round, evenly ribbed and moderately netted.

Paul Rose. **Handsome Shape** **Good Shipper**

The fruit is oval, about five inches in diameter. The firm flesh is a rich orange red color. The firm solid flesh and strong rind make it the best shipper we know of, while it is just the size for hotel and table use.

PRICES

ALL MELONS LISTED

ON THIS PAGE

Packet 5c, ounce 10c,
 $\frac{1}{4}$ pound 25c

Always of Good Quality



PAUL ROSE MELON.

MUSTARD

White London.—Best for salads. $\frac{1}{4}$ pound 10c, pound 20c

OKRA

Cultivated for its young seed pods which are used in soups or stewed and served like asparagus. The pods, when young and tender, may be sliced in sections and strung on a thread and hung up in the shade to cure; in this condition they can be used for soup at any time. Packet 5c, ounce 10c, $\frac{1}{4}$ pound 20c



CITRON.

WATER MELON

Treat the same as Musk Melon, except that they should be planted 8 feet apart.

Cuban Queen.—Bright red, solid and heavy; good quality.

Extra Early.—Fine quality, medium size, flesh red.

Packet 5c, ounce 10c, $\frac{1}{4}$ pound 25c

Kolb's Gem.—Light green, flesh bright red; rich and sweet; a good shipper.

Mountain Sweet.—Standard sort; good flavor, large size.

Sweet Heart.—Popular shipping melon. Large, oval, very heavy; rind thin but firm. Flesh bright red, firm but very tender, melting and sweet.

Preserving Citron.—A round melon used for preserving.

PRICES: Above varieties, except when otherwise noted: Packet 5c, ounce 8c, $\frac{1}{4}$ pound 20c



MUSHROOMS.

MUSHROOM SPAWN

Mushrooms are easy to grow and beginners are often as successful with them as are those having an extensive experience. There is a widespread impression that there is some secret in the cultivation of mushrooms, that the whole procedure is shrouded in mystery, and that the mushrooms have even to be grown in midnight darkness; but this is a mistaken idea. A suitable place is almost anywhere under cover in a temperature below 65 degrees. Total darkness is not imperative, for they grow well in open light if shaded from sunshine. With each order we furnish free our leaflet, "How to Grow Mushrooms", giving plain, concise directions. By following these, anybody can grow this most luxurious and highly prized of all vegetables. We receive five shipments of spawn yearly, so that we have fresh stock always on hand.

English Spawn.—In bricks weighing about $1\frac{1}{4}$ pounds each.

Per pound 12c, 10 pounds \$1.00

**Vegetable
Gardening**

A MANUAL ON THE
GROWING OF VEGETABLES
FOR HOME USE AND MARKETING
BY SAMUEL B. GREEN

Paper Covers
50c
Cloth Bound
\$1.00

NOTE---Changes in Prices

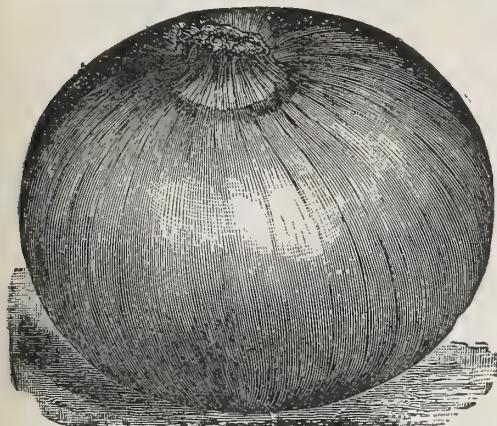
Onion Seed prices on this page should read as follows:

	Packet	Ounce	$\frac{1}{4}$ Lb.
Michigan Yellow Globe . . .	\$0.05	\$0.20	\$0.60
Yellow Globe Danvers . . . .	.05	.20	.55
Danvers Yellow . . . . .	.05	.20	.50
Australian Brown . . . . .	.05	.20	.60

ONION

OUR STOCK IS FULLY EQUAL TO ANY AND SUPERIOR IN QUALITY TO MOST THAT IS OFFERED.

A deep, rich loam is best suited to Onions. The ground should be heavily dressed with well-rotted manure, and plowed a moderate depth, taking a narrow furrow in order to more thoroughly mix the manure with the soil; if possible the plowing should be done in the fall. As early in the spring as the ground is in working order, harrow thoroughly and make as level as possible; sow thinly in drills, one-fourth inch deep and twelve inches apart. Keep the surface of the ground open, and free from weeds, but do not ridge up to the growing bulbs. One ounce will sow 100 feet of drill; 4 to 5 pounds per acre.

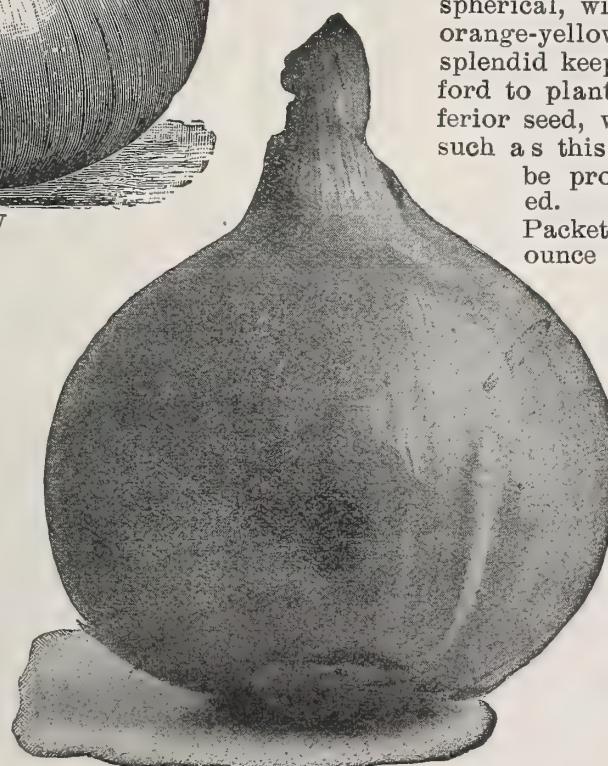


DANVERS YELLOW

Danvers Yellow.—A fine, productive, flat variety of medium size; skin straw colored, the flesh white, comparatively mild, and well flavored. An excellent keeper. Packet 5c, ounce 15c

DANVERS YELLOW GLOBE.—Decidedly more globular in form than the original Yellow Danvers; thus giving larger yields and handsomer bulbs without sacrificing any of the good qualities.

Packet 5c, ounce 15c
 $\frac{1}{4}$ pound 30c



MICHIGAN YELLOW GLOBE.

Long-Keeping Australian Brown

It is of medium size, wonderfully hard and solid and most attractive for market. It is extremely early in ripening, and never makes any stiff necks or scallions. It will keep longer in good condition than any other onion known. The color of the skin is a clear amber brown. Packet 5c, ounce 15c, $\frac{1}{4}$ pound 30c



Onion Sets may be planted as early in the spring as the condition of the ground will permit, and these will produce onions in the

green state by June. Set about 4 inches apart in drills 1 foot apart. One quart to 100 feet of drill.

Yellow, White, and Red Bottom Sets. Multipliers. True Top Onions. Write for prices.

MICHIGAN YELLOW GLOBE

Perfect In Shape. Best Color. Greatest Yielder.

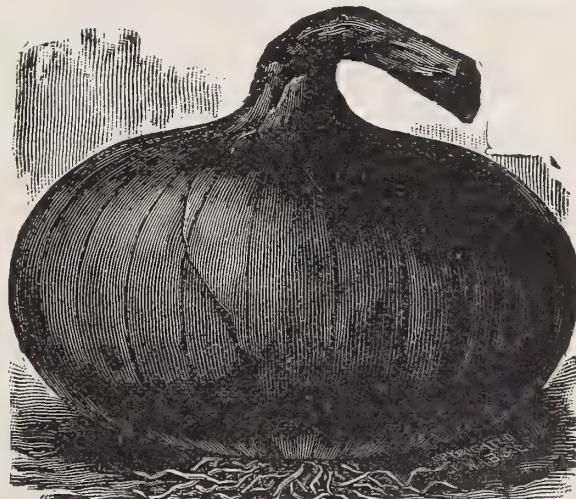
The largest crops of onions are always produced on rich, black lands. On such soils it is found that a globe shaped onion gives the largest returns, and to meet the demands of the professional onion grower located on such lands, we have offered this variety. The bulbs are large, and uniformly spherical, with very small necks; of a rich orange-yellow color; enormous yielders and splendid keepers. No onion grower can afford to plant inferior seed, when such as this can be procured.

Packet 5c,
ounce 15c,
 $\frac{1}{4}$
lb.
35c

**EXCELSIOR PICKLING**

This is an early, small, round, hard variety, with an opaque white skin. Crisp, tender, and very handsome.

Packet 5c, ounce 20c,
 $\frac{1}{4}$ pound 60c



AUSTRALIAN BROWN.

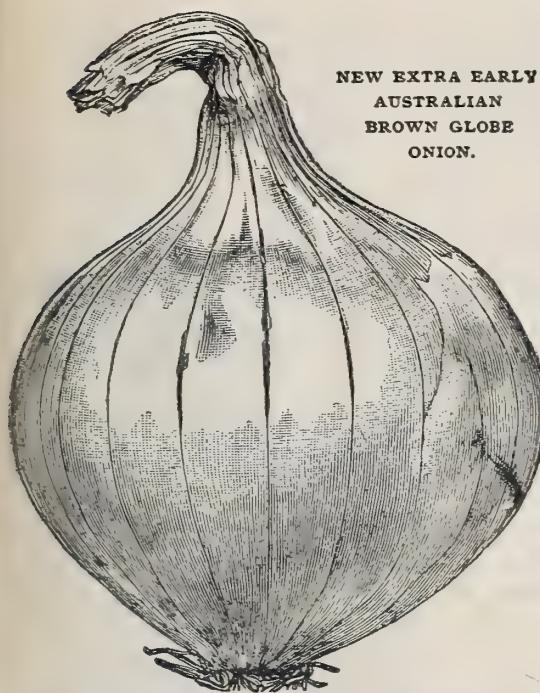
THE
3 FINEST
GLOBE
ONIONS

Southport
White

Southport
Red

Southport
Yellow





NEW EXTRA EARLY
AUSTRALIAN
BROWN GLOBE
ONION.

ONION.
(Continued.)

Prizetaker Onion.—This is the largest, handsomest and most profitable variety ever grown. The outside skin is of a rich yellow straw color, while the flesh is white, sweet, mild and tender. Packet 5c, ounce 20c

Australian Brown Globe.—Perfectly round or globe shaped. The skin is a light brown. Flesh pure white, mild. Quick to mature, a long keeper, solid and heavy, an excellent onion for shipping. Packet 5c, ounce 15c, $\frac{1}{2}$ pound 40c

Large Yellow Strassburg.—A good keeper, valuable for shipping. Packet 5c, ounce 15c

Southport Yellow Globe.—A handsome globular variety of excellent flavor. Also very desirable as a good keeper. Per packet 5c, ounce 20c

Round Dutch Pickling.—A round, hard, white variety, excellent for pickling. Pkt 5c, oz. 20c

Round White Silverskin.—Early, small, round variety with an opaque white skin. An excellent sort for use in bunching, for pickles or as large onions. Pkt. 5c, oz. 20c

Earliest White Queen.—Small, flat, pure white, marvelous rapidity of growth. Packet 5c, ounce 20c

Southport White Globe.—A showy large white variety. Packet 5c, ounce 20c

Pearl.—Earliest of all, pearly white, translucent. Form flat, flavor mild. Keeping qualities good. Pkt 5c, oz. 25c

Mammoth Silver King.—A beautiful silvery onion, of great size and weight. Form a depressed globe. Fresh snowy white meat, delicate, sweet and tender. It matures early. Pkt. 5c, oz. 20c

Silver Skin or White Portugal.—Large, solid and handsome white globe. Pkt. 5c, ounce 20c

Extra Early Barletta Onion.—The earliest onion grown; pure white color, mild and of delicate flavor; for pickling or table use. Per packet 5c, ounce 20c

Wethersfield Large Red.—A large, deep red, flat variety. Productive, Good Keeper. Pkt. 5c, oz. 15c

Extra Early Red Onion.—Of unusually early maturity, medium size, deep red in color and excellent keeper. Per packet 5c, ounce 20c

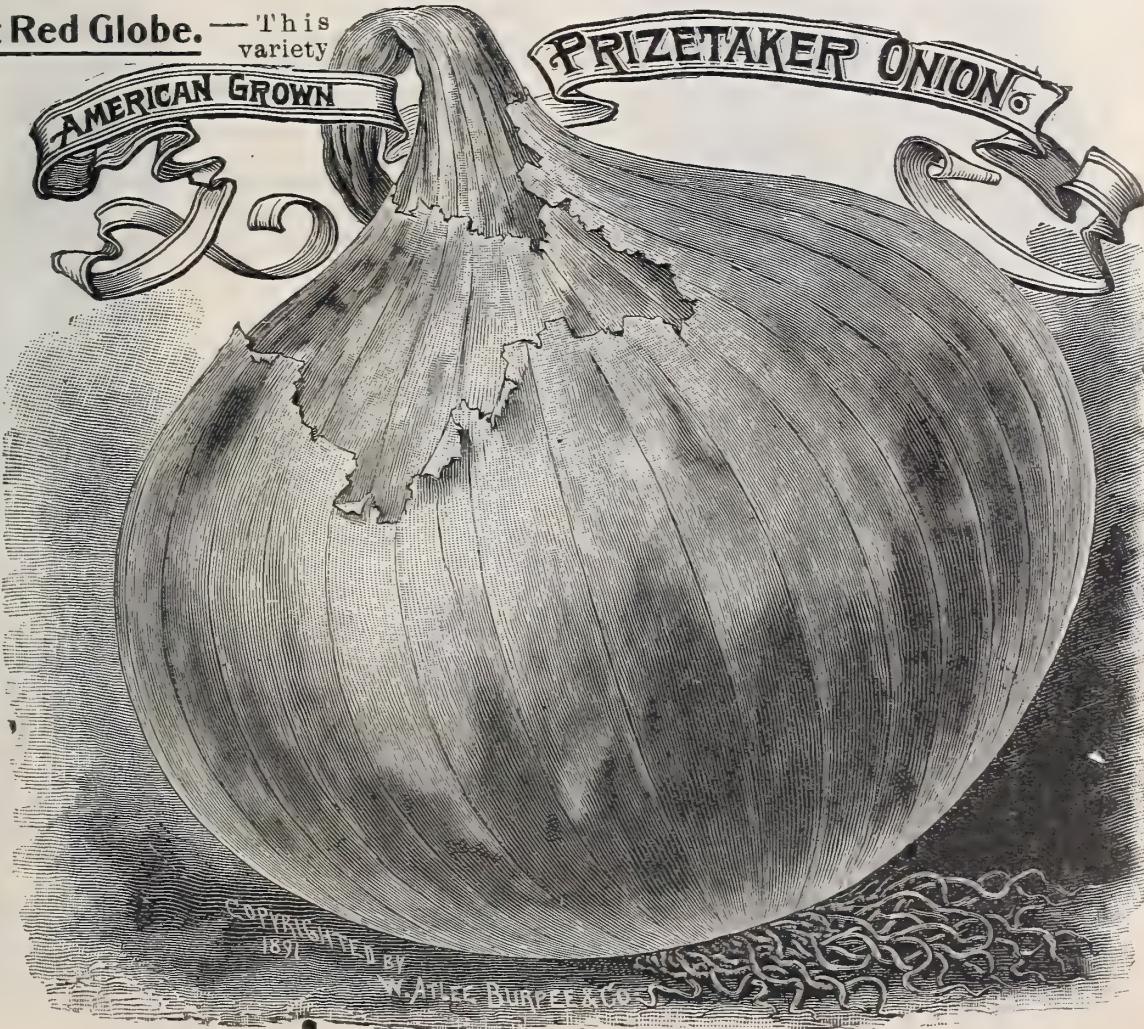
Southport Red Globe.—This variety

is of medium size, spherical with small neck, very deep, rich red color, and of superior quality. A large producer and good shipper. Packet 5c, ounce 20c

**MINNESOTA
RED GLOBE.**—

This is a new true globe onion, of the finest and most select type, so called to distinguish it from other stocks of red globe onions, differing in earliness, productiveness, perfection of shape and long keeping qualities.

Packet 5c, ounce 25c





EARLY MOSS CURLED PARSLEY.

the ground. A heavy cropper.

Hollow Crown.—Smooth, tender and sugary. Packet 5c, ounce 10c, $\frac{1}{4}$ pound 20c

Magnum Bonum.—A smooth, productive variety of delicate flavor. Not as long as Hollow Crown, but somewhat thicker. Packet 5c, ounce 10c, $\frac{1}{4}$ pound 20c

PARSLEY.

Requires rich, mellow soil. The seed is slow in germinating, and should be sown as early in the spring as possible, in drills one foot apart. When the leaves become old and dull they may be cut off and the plant will start a new growth which will be brighter and better curled.

Plain Parsley.—Leaves longer than the curled. Pkt. 5c, oz. 6c, $\frac{1}{4}$ lb. 15c

Early Moss Curled.—Leaves beautifully curled, light green, extra fine for garnishing. Very compact. Packet 5c, ounce 8c, $\frac{1}{4}$ pound 20c

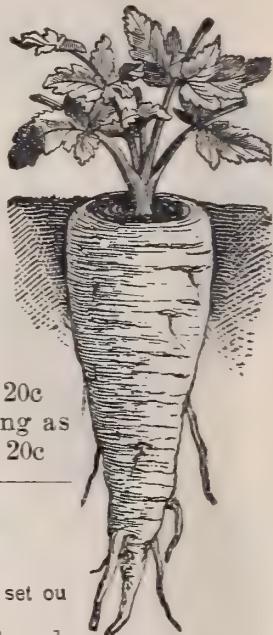
Moss Curled Turnip Rooted.—Packet 5c, ounce 10c, $\frac{1}{4}$ pound 25c

Early Turnip Rooted Sugar.—

Long Smooth Turnip Rooted.—

The roots are used for flavoring soup.

Packet 5c, ounce 10c, $\frac{1}{4}$ pound 25c



PARSNIP

Sow as early in the spring as weather will permit in drills 15 inches apart, covering half an inch deep.

Improved Guernsey.—This is a half-long, wedge-shaped variety, broad at the shoulder, and easily taken out of

Packet 5c, ounce 10c, $\frac{1}{4}$ pound 20c

Hollow Crown.—Smooth, tender and sugary. Packet 5c, ounce 10c, $\frac{1}{4}$ pound 20c

Magnum Bonum.—A smooth, productive variety of delicate flavor. Not as long as

Hollow Crown, but somewhat thicker. Packet 5c, ounce 10c, $\frac{1}{4}$ pound 20c



LARGE BELL, OR BULL NOSE PEPPER.

fruit is borne upright, and held clear of the ground.

PEPPER

Sow in hotbeds or boxes in the house, and set out about the last of May, in warm, rich soil.

Bell, or Bull Nose.—Large bright red; largely used for pickling.

Cayenne Long Red.—Fruit long, slender, bright red, very hot and pungent; productive,

Large Sweet Spanish.—The large red variety generally used for salad; very sweet and mild; bell shaped.

Ruby King.—A large variety of Sweet Spanish; very showy, symmetrical; of a bright ruby red color; best for stuffing.

ABOVE VARIETIES

Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c

New Upright Sweet Salad.—

Handsomest, most productive and finest quality Pepper yet produced.

Large, smooth, thick fleshed, mild and very sweet. Bright scarlet in color. The

PARSNIP.



RUBY KING PEPPER.

Packet 10c

PEANUTS.

Mammoth Virginia.—The most profitable variety to grow, and more desirable than the common spreading kind, because more easily cultivated; very erect stems and upright foliage and the largest pods and kernels of any variety; also fewer imperfect pods.

Packet 5c, $\frac{1}{4}$ pound 10c, pound 30c

PEAS.

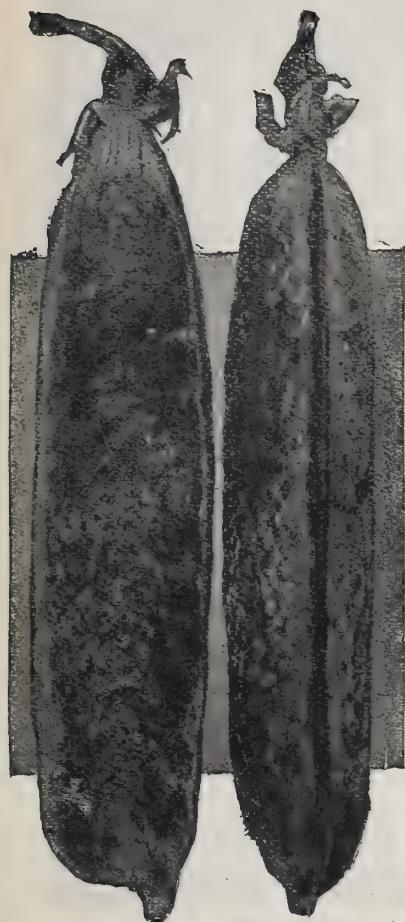
Peas mature earliest in light rich ground; for the main crop a moderately heavy soil is best. Commence sowing the early sorts as soon as the ground can be worked, and continue for a succession every two weeks until August.

Prices do not include postage; if to go by mail add at rate of 15c per quart.

All Peas 5c per Packet.

Landreth's Extra Early.—Everywhere the standard for earliness, maturing for table forty-five days from germination and frequently, under peculiar conditions, in thirty-eight days. Vines 2 feet high, sticks not necessary. May be planted in August and still produce a crop.

Per pint 13c, quart 25c



THOMAS LAXTON PEA.

and more attractive than those of other first earlies. They ripen slowly and continue fit for use much longer than most varieties, making this by far the most desirable sort for the home garden. The peas are large, of splendid quality and beautiful color which they retain after cooking. **Every gardener should try it.** Per pint 25c, quart 40c

PEAS.
(Continued.)

Extra Early Market.—Since we introduced this pea some years ago we have thoroughly satisfied ourselves that this is the earliest and most even stock of White Extra Early Peas in existence, maturing so well together that a single picking will secure the entire crop, making it the most valuable pea for the market gardener. Vines vigorous and hardy, extremely prolific, the pods being numerous, and well filled with peas of good size and delicious flavor. The seed is yellow. Per pint 15c, quart 25c

Alaska.—Seven days earlier than most early sorts, of larger size and ten per cent more productive. Grow about 2 feet high and bear 4 to 7 long pods which are filled with medium-sized, bright green peas, of excellent flavor. Per pint 15c quart 25c

American Wonder.—A popular dwarf, early, wrinkled pea. Per pint 15c, quart 30c

Nott's Excelsior.—This is a very fine new extra early dwarf wrinkled Pea, the pods average fully one-third larger than the *American Wonder*, and while perhaps not quite so early, by a few days, are all ready for picking at one time. Each pod contains six to eight large peas, which are of unusually sweet flavor. So closely are the peas packed in the pods that they are flattened against each other. A most desirable sort for the market gardener, and unsurpassed for the home garden. Per pint 15c, quart 30c

"Thomas Laxton."—Even superior in earliness, hardiness and large size of pod to *Gradus* which is one of its parents. Notwithstanding its great earliness, the pods are fully as large as *Telephone* and well filled with large luscious peas. Height about 3 feet.

Pint 30c, quart 50c

GRADUS.—An Extra Early Wrinkled Pea.

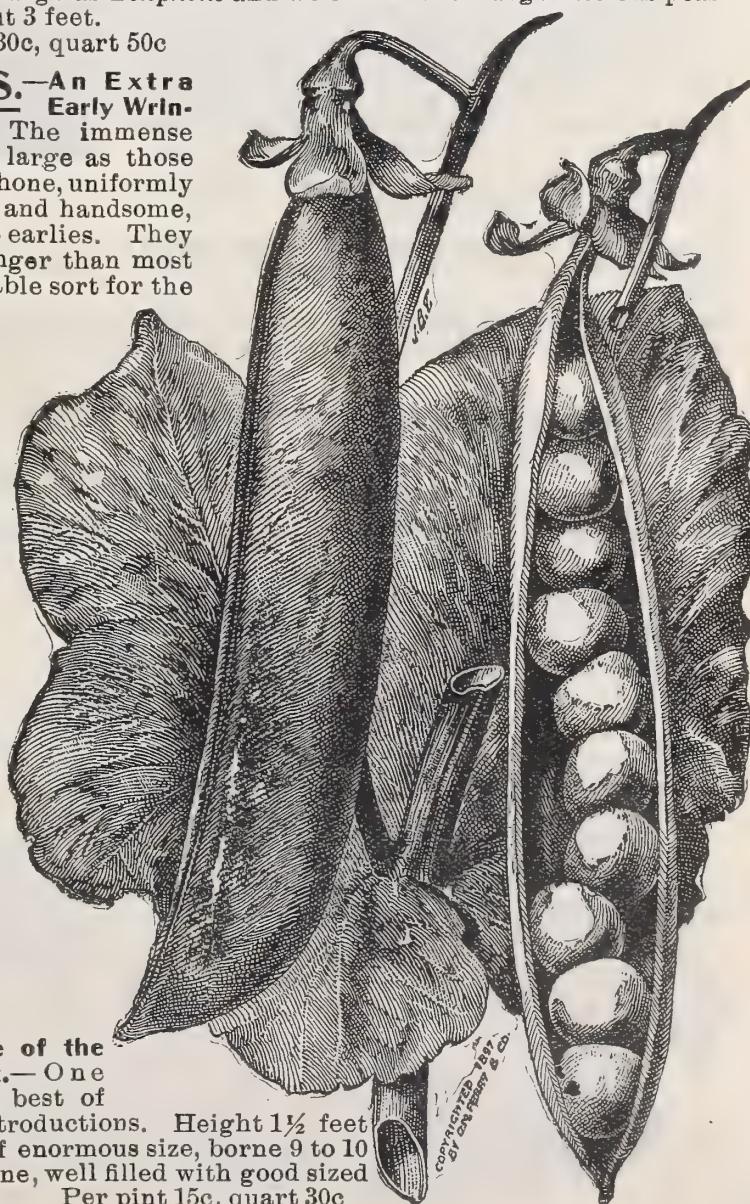
The immense pods are as large as those of the *Telephone*, uniformly well shaped and handsome,

and more attractive than those of other first earlies. They ripen slowly and continue fit for use much longer than most varieties, making this by far the most desirable sort for the home garden. The peas are large, of splendid quality and beautiful color which they retain after cooking. **Every gardener should try it.** Per pint 25c, quart 40c



PRIDE OF THE MARKET PEA.

Pride of the Market.—One of the best of late introductions. Height 1½ feet pods of enormous size, borne 9 to 10 on a vine, well filled with good sized peas. Per pint 15c, quart 30c



CARTER'S TELEPHONE PEA.

PEAS.
(Continued.)

Surprise—Possesses the quality of the American Wonder and is as early as the Earliest of the Hard Peas. The young vines grow 24 inches high and need no bushing, the pods are well filled containing 6 or 7 peas. The Peas are not as large as those of the American Wonder, but **Surprise** is a far better cropper and ready for market **days before**.

Per $\frac{1}{2}$ pint 10c, pint 20c, quart 30c

Premium Gem.—An improvement upon the Little Gem, larger and more productive.

Per pint 15c, quart 30c

Improved Tom Thumb.—Vine bushy, growing to a height of five to eight inches.

Per pint 15c, quart 25c

Dwarf Telephone.—Vines about 18 inches high. Dwarf, vigorous growth; very productive. Pods 5 inches long, filled with pale green, deliciously flavored peas.

Per pint 15c, quart 30c,

TELEPHONE.—Vine vigorous, growing about four feet high, with large, coarse leaves. **Pods very large, filled with immense peas, which are tender, sweet and of excellent flavor.** Notwithstanding the large amount of inferior and spurious stock which has been sold, no pea of recent introduction gained more rapidly in popularity than this, thus showing that **it has sterling merit which gardeners appreciate.** The stock we offer is prolific and has been carefully selected.

[Illustration page 21.] Per pint 15c, quart 25c

Duke of Albany.—Immense pods of dark green color on style of Telephone. Pt. 15c, qt. 30c

Peruvian Black-Eyed Marrow Fat.—A vigorous grower. Plant on poor soil.

Imported Sugar Fuerst Bismarck.

Pods.

Imported Mammoth Sugar.—(*White Seed*). An edible podded variety, growing about four feet high, pods very large. Being edible podded, it should be used in the same way as a wax bean; very sweet and tender.

Per pint 10c quart 15c

—Earliest dwarf, $1\frac{1}{2}$ feet high, fully a week earlier than any other existing early Sugar Pea. Edible

Per pint 25c, quart 50c

Per pint 25c, quart 50c

PUMPKIN.

ed skin, flesh sweet and sugary.

Common Field.—Used for cattle feeding; very productive sort.

Mammoth Tours.—A French variety growing to immense size.

Packet 5c, ounce 15c

Sugar.—An excellent small, round Pumpkin, with deep orange color.

Per packet 5c, ounce 10c

Lb. 25c

WHITE OHIO.



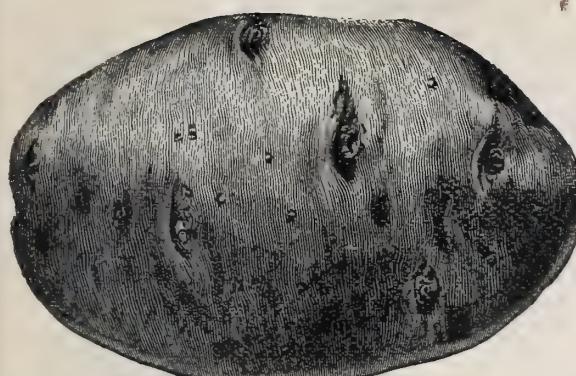
POTATOES.

—1 peck will plant about 125 hills.—

Our seed potatoes are "Northern Grown" by expert cultivators, and have been selected for quality with the greatest care. Our revised list contains the cream only. Inferior sorts are eliminated. The tubers are large and free from disease. **Prices on Application.**

White Ohio.—Identical in every way to the best type of old Ohio, except in color, which is a fine white. It has given the best of satisfaction in the past. For every locality where a White Potato is the popular market color this new Ohio is bound to be a winner.

Hewes' Early.—This new seedling resembles the Acme and Early Six Weeks. It is extremely early, very free from mixture with any other kinds, cooking and keeping qualities unsurpassed.



EARLY SIX WEEKS.
are much smoother and of better shape than the well known Early Ohio, while the yielding qualities are improved one third. They keep firm until late in the spring.

Early Rose.—We claim for our stock of this well-known variety extra earliness and better yielding qualities than found in the average stock.

Carmen No. 1.—This potato is medium in season, resembles the Rural New Yorker in appearance, flesh white. Its chief characteristic is enormous productiveness; of finest quality, dry, white, mealy.

USE HAMMOND'S SLUG SHOT to destroy potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms, fleas, beetles and striped bugs on melons, turnips, beets, onions, etc., canker worms and caterpillars on fruit and ornamental trees.

POTATOES. (Continued.)

Early Six Weeks.—Medium size, smooth, oblong, skin pink, flesh white, tubers grow close together in the hill and grow so rapidly that under favorable circumstances they are fit for family use *in 6 weeks from the time of planting*; mature in 10 or 11 weeks.

Improved Extra Early Ohio.—Standard extra early Potato, maturing two weeks ahead of the Early Rose. A special favorite with marketmen and the most profitable sort they can grow. It gives satisfaction in all parts of the country. In this improved type the tubers



IMPROVED EXTRA EARLY OHIO.

Price per lb. 7c, 5 lbs. 30c

RADISH.

✓ Early Scarlet Globe

Selected Stock

A small, round, turnip-shaped, red radish, with a small top, and of very rapid growth. Mild, crisp, juicy and tender. Bright scarlet color. Desirable for forcing or for outdoor planting. For family use this should be sown every ten days in order always to have a fresh supply.

Packet 5c, ounce 10c,
1/4 pound 20c

✓ Crimson Giant

or Wurzburg Giant Forcing

This giant radish develops roots **2 inches** in diameter and over an ounce in weight, without getting pithy or hollow. Notwithstanding its extraordinary size and weight, this is a splendid forcing variety, its pure white flesh remaining firm and crisp and of the mildest flavor. Equally good for outdoors. Sow the seed thinly, to permit full development of the roots.

Packet 5c, ounce 10c, 1/4 pound 30c

See illustration to left.



EARLY SCARLET
GLOBE.



"ICICLE."

ture; crisp and tender flesh and handsome shape.

Per packet 5c, ounce 15c, $\frac{1}{2}$ lb. 30c

✓ **Wuerzburger Giant Forcing.**—This new Forcing Radish grows to the large size of 2 inches in diameter **without getting pithy**. It is of excellent quality, crisp, tender, of beautiful rich red color, and is equally as well adapted for outdoor culture as for hotbed forcing.

Per packet 5c

✓ **Dallwig's Oval Shaped Golden Yellow.**—Skin rich golden yellow; flesh white, very crisp and tender. The roots are oval, smooth and handsome.

Per packet 5c, ounce 10c, $\frac{1}{2}$ pound 25c

✓ **WHITE STRASSBURG RADISH.**—The roots are of handsome oblong, tapering shape; both skin and flesh are pure white. The flesh is firm, brittle and tender, and possesses the most desirable characteristic of retaining its crispness for a long time. It is excellent for summer use as it withstands severe heat and grows very quickly. The seed can be planted throughout the summer and fine large roots will be rapidly formed. Valuably for family use and the market gardener.

Packet 5c, ounce 10c, $\frac{1}{2}$ pound 20c

OUR RADISH SEED

is saved from selected transplanted roots by seed growers of experience, and should not be compared with a product where seed is drilled and harvested without selection.



WHITE STRASSBURG.

RADISH. (Continued.)

✓ **New White Radish "Icicle."**—Vies in earliness with the earliest forcing radishes. Roots of pure snowy, almost transparent whiteness, four inches in length and half an inch in diameter; they retain their crispness and fresh, mild flavor a long time. They are slenderly tapering, with very few small leaves. Per packet 5c, ounce 10c

✓ **Dallwig's "20 Day Radish."**—Excellent for Forcing. Quick growth is one of the main essentials for a crisp and tender radish. This variety matures very rapidly, making it valuable both for forcing and outdoor culture. The flesh is pure white, very crisp and of pleasant flavor; the skin is a most attractive bright scarlet. Very short-leaved. Form slightly elongated or cone-shaped.

Per packet 5c, ounce 10c, $\frac{1}{2}$ lb. 25c

Golden Dresden.

making radishes in The roots are of medium and have a clear golden white and of fine flavor. Ounce 10c, $\frac{1}{2}$ pound 20c

Early Oval-Shaped White.

—A new whiteradish, very similar to our Oval-Shaped Golden Yellow, and equally valuable for forcing or open-air cul-

ture; crisp and tender flesh and handsome shape.

A very valuable sort both for market and family use. It is of quick growth, twenty-eight days. size, round, smooth skin. The flesh is



© 1893



"20 DAY" RADISH.



OVAL SHAPED GRAY SUMMER NO. 1.



OVAL SHAPED GRAY SUMMER NO. 2.

2 SPLENDID GRAY SUMMER RADISHES 2

Everybody ought to try these two really great Radishes.

✓ Last season we were unable to supply the heavy demand for these. They "took" at once, and gardeners who grew them reported a wonderful and steady call for them.

Oval Shaped Gray Summer No. 1.—Smooth, solid, crisp and tender, never grows pithy. Equally fine for forcing or open air culture. A very smooth and handsome radish of oval shape, and gray color; on some soils the color is almost black, which is lightened, however, by the irregular white lines appearing at intervals. Unlike most large radishes this variety may be forced under glass, never losing any of its delightful flavor and crispness. Grown in the open, it matures about the same time as our Oval Shaped Golden Yellow. Packet 5c, ounce 15c, $\frac{1}{4}$ pound 45c

Oval Shaped Gray Summer No. 2.—This variety is in every respect equal to our No. 1. It is somewhat later, lighter in color, and grows to a larger size. Like No. 1, it may be grown under glass as readily as outdoors, and is a valuable succession to the former. The skin is smooth, the flesh crisp tender and of finest flavor. Packet 5c, ounce 15c, $\frac{1}{4}$ pound 45c

POPULAR EARLY AND SUMMER RADISHES.

	Pkt.	Oz.	$\frac{1}{4}$ lb.
Non Plus Ultra.—Round deep scarlet; small tops; matures in twenty days.....	05	10	20
Erfurt Dreienbrunnen.—Round scarlet; for forcing and outdoor planting; fine.....	05	10	20
Hamburg Forcing.—Very early, short top; excellent scarlet forcing variety....	05	10	25
Scarlet Turnip, White Tipped.—Early deep scarlet with white tip; round.....	05	10	20
French Breakfast.—Olive shaped; scarlet with white tip. Showy and delicate...	05	10	20
Yellow Button.—Same shape as the Scarlet Globe, yellow skin.....	05	10	20
Earliest White Turnip.—Short top. Small, delicate, white bulbs; fine for forcing.....	05	10	20
Hailstone.—Turnip shaped, snow-white; mild and crisp; mature in 19 days....	05	10	25
Long Scarlet Short Top.—Long, straight, smooth, rich scarlet, a quick grower.....	05	10	20
Lady Finger.—Similar in shape but not as long as Long Scarlet. Pure white..	05	10	25
Giant White Stuttgart.—Very large, heart shaped, white radish of quick growth.....	05	10	20
Oval Shaped White Summer.—Excellent for summer use.....	05	10	20
Delicacy.—Very early, snow-white, tender. Fine for forcing or open ground...	05	10	20
White Munich.—Crisp and tender; agreeably pungent flavor, oval shaped.....	05	10	25
Chartier.—Rose-colored tapering to white at the tip; long.....	05	10	20
Black Summer Turnip.—Skin deep black, flesh white, crisp, tender and firm...	05	10	20
Gray Summer Turnip.—An excellent round gray radish for summer use.....	05	10	20
Half-Long Gray Autumn.—Splendid for fall and winter use.....	05	10	30


RADISH.
 (Continued.)

WINTER RADISH.

Long Black Spanish. — Root oblong, black, of very large size and firm texture. Per packet 5c, ounce 10c, $\frac{1}{2}$ lb. 20c

Long White Spanish. — Valuable for winter use, of remarkably fine keeping quality. Per packet 5c, ounce 10c, $\frac{1}{2}$ lb. 20c

Round Black Spanish. — A turnip-shaped, black-skinned winter-keeping Radish. Per packet 5c, ounce 10c, $\frac{1}{2}$ lb. 20c

Half-long Black Winter. — Intermediate in shape between the Round and Long Black Spanish. Per packet 5c, ounce 10c, $\frac{1}{2}$ lb. 20c

Scarlet China Winter. — Scarlet and pink in color, tipped white. Per packet 5c, ounce 10c, $\frac{1}{2}$ lb. 20c

RHUBARB OR PIE PLANT.

Culture. A deep, rich soil is best for Rhubarb. Sow early in drills, eighteen inches apart and one inch deep; the spring following transplant, allowing each plant at least two feet square; each fall mulch with manure. Never allow to run to seed. One ounce makes about 600 plants.

Victoria. — Leaf stalks very tall and large. Skin thick and red-stained. Pulp quite acid. Very productive and profitable for market gardeners.

Per packet 5c, ounce 15c, $\frac{1}{2}$ lb. 40c



VICTORIA RHUBARB.

HALF-LONG BLACK WINTER.



RUTABAGA.

Dlw RUTABAGA.

Culture. Sow the seed about a month earlier than turnips. They should be sown on ground enriched with well rotted manure, in drills two and one-half feet apart, and thinned to six to eight inches apart in the row. Keep the weeds thoroughly in check with the hoe or cultivator, and when the roots have grown full size,

and before hard freezing weather, pull, cut off the tops and store in a root cellar or pit. Ruta Bagas are sometimes sown broadcast and let take their chances with the weeds and bugs, but this method is only successful on new clearing in which there is no weed seed.

The Bloomsdale Swede. — In foliage it is not super-abundant (as is European Swede); the shape is nearly globular and without neck, the crown deep purple, the flesh is very rich yellow.

Per packet 5c, ounce 10c, $\frac{1}{2}$ lb. 20c

White Fleshed Purple Top Rutabaga. — Differs from the yellow "Swede" in interior color. For table use some families prefer it to the yellow.

Per packet 5c, ounce 10c, $\frac{1}{2}$ lb. 20c



SALSIFI.

SALSIFI OR OYSTER PLANT.

Culture. Sow when the cherry is in bloom, in drills, in deeply dug and well manured ground. The drills should be eighteen inches apart. When the plants are up a few inches, weed and thin them so as to stand four or five inches from each other. Preserve in pits, the same as Carrots or Beets.

Sandwich Island. — A variety superior to the French sort producing smoother, larger, and more vigorous roots. Per packet 5c, ounce 15c, $\frac{1}{2}$ lb. 30c

Imported Scorzonera or Black Salsify. — With the same culture three times the quantity can be grown on same area as Salsify. It should be better known. The skin only is black. Per packet 5c, ounce 30c

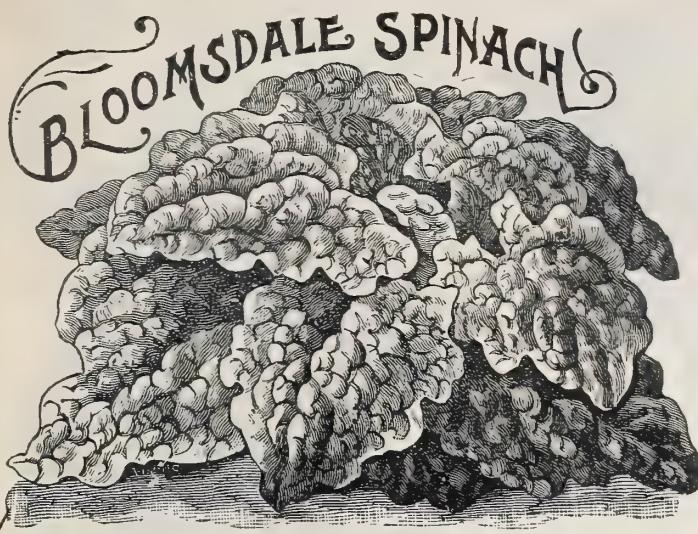
SUNFLOWER

Mammoth Russian. — Grows to double the size of the common Sunflower. Highly recommended for poultry; the best egg-producing food known. Per pound 8c

SPINACH.

✓ **BLOOMSDALE.**—Curled, twisted and bloated to an unusual degree, giving the leaves an elasticity especially fitting them for distant shipments, while at the same time giving the crop large measuring qualities. Especially recommended for autumn sowing.

Packet 5c, $\frac{1}{4}$ pound 10c, pound 25c



SWISS CHARD.

✓ **ROUND THICK-LEAVED.**—The popular market variety; good for either fall or spring sowing; large thick, round leaves; an immense yielder.

Packet 5c, $\frac{1}{4}$ pound 10c, pound 25c

✓ **Long Standing.**—Excellent for spring, as it is slow going to seed.

Packet 5c, $\frac{1}{4}$ lb. 10c, lb. 25c

✓ **Victoria.**—Heavy, broad, dark green leaves. A fine variety for spring sowing, being slow to run to seed.

Packet 5c, $\frac{1}{4}$ pound 10c, pound 25c

○ **Swiss Chard or Summer Spinach.**—Cut and Come Again Spinach, Far superior to the common beet for greens and equal to spinach. It makes a rapid growth of leaves, and is fit for use sooner than any spinach. For summer use it is superior to Spinach, because it can be cut throughout the summer and fall, when no spinach is to be had. The leaves later grow very large, with broad, flat, white, wax-like stems and mid-ribs which may be prepared like asparagus.

Packet 5c, ounce 10c, $\frac{1}{4}$ pound 20c

Squash. Culture. Few farmers appreciate the value of winter squash as food for stock. We think an acre of squash costing no more to cultivate, and much less to secure, will give as much food available for feeding stock as an acre of corn, and we strongly urge our readers to try a "patch" for this purpose. Plant when all danger from frost is past, and get in the winter varieties as soon as possible in order that they may mature. Plant in hills 4 feet apart for the bush varieties and 6 or 8 feet apart for running sorts. Put 6 or 8 seeds in a hill, thinning when all danger from insects is past to 3 or 4 plants in a hill.

SUMMER SQUASH. Early White Bush.—Earliest in maturity. Tender and delicate. Per packet 5c, ounce 10c, $\frac{1}{4}$ lb. 25c

Boston Marrow.—Color rich orange, a good keeper and of unsurpassed flavor. Per packet 5c, ounce 10c, $\frac{1}{4}$ lb. 25c



EARLY WHITE BUSH.



CHICAGO WARTED HUBBARD.

WINTER SQUASH.

Chicago Warted Hubbard.—Combines all the good points of the original Hubbard with rougher, harder, warted shell, making it especially valuable for shipping great distances.

Packet 5c, ounce 10c, $\frac{1}{4}$ lb. 25c

WINTER SQUASH.
(Continued.)



GOLDEN HUBBARD.

GOLDEN HUBBARD.—Of the same shape as the ordinary Hubbard. It is an excellent keeper, so that it can be held over for spring use. The shell is warty, hard and strong, and of a beautiful orange-red color. The flesh is deep orange to the rind.

Packet 5c, ounce 10c, $\frac{1}{2}$ lb. 25c

Hubbard.—Desirable for use throughout the Winter and Spring; flesh bright orange yellow, fine grained, very dry, sweet and rich flavored. Pkt. 5c, oz. 10c, $\frac{1}{2}$ lb. 25c



HUBBARD.

The Delicious Squash—Closely follows the original Hubbard. In thickness of flesh it surpasses nearly every variety, the color being dark orange. For table use no squash compares with it in its remarkable combination of fineness and compactness of grain, dryness, sweetness and exceeding richness of flavor. It is a fall and winter squash, and though at any time excellent, it, like the old Hubbard, does not acquire its best quality until winter. Packet 5c, oz. 15c

Tobacco Seed. Culture.

The seed should be sown as early as possible after danger of frost is over. A good plan is to burn a quantity of brush and rubbish in the spring on the ground intended for the seed bed, then dig and thoroughly pulverize the earth and mix with the ashes, after which the seed may be sown and covered very lightly. When the plants are about 6 inches high, transplant into rows 4 or 5 feet apart each way, and cultivate thoroughly with plow and hoe.

Connecticut Seed Leaf.—Perhaps the variety best adapted to the climate of the Middle and Northern States, being comparatively hardy.

Per packet 5c, ounce 20c, $\frac{1}{2}$ pound 60c

Havana.—From pure Cuban grown seed. When grown in this country commands a high price for cigar stock.

Per packet 5c, ounce 40c

TURNIP.

For feeding stock in fall and winter, there is nothing superior to Turnips and Rutabagas, and they will yield a larger amount of food than almost anything else on the same space of ground. We cannot too earnestly recommend increasing your sowings largely, for we are sure no crop will prove more remunerative. The best soil is a new light, rich loam, entirely free from fresh manure. Sowing for summer use should be made early in the spring, for fall or main crop from middle of July to middle of August.

Purple Top Milan.—Earliest, flat, medium size, solid, fine-grained.

Packet 5c, ounce 10c, $\frac{1}{4}$ pound 20c, pound 50c

Purple Top, Strap Leaved.—Popular early, flat variety; medium size.

Packet 5c, ounce 8c, $\frac{1}{4}$ pound 15c, pound 35c

Purple Top White Globe.—Early globe-shaped variety of large

size and very rapid growth; fine quality.

Packet 5c, ounce 8c, $\frac{1}{4}$ lb. 15c, lb. 35c

Early White Flat.—

Popular early table turnip.

Packet 5c, ounce 8c, $\frac{1}{4}$ pound 15c, pound 35c

White Egg.—Quick-

growing, pure white, perfectly smooth, egg shaped variety.

The flesh is very sweet, firm and mild.

Packet 5c, ounce 8c, $\frac{1}{4}$ pound 15c, pound 40c

Amber Globe.—A yellow-fleshed

PURPLE TOP WHITE GLOBE TURNIP.

turnip of large size. Keeps well.

Packet 5c, ounce 8c, $\frac{1}{4}$ pound 15c, pound 35c

Teltower.—Small, sweet, white, German variety of fine quality.

Packet 5c, ounce 10c, $\frac{1}{4}$ pound 20c, pound 50c

If wanted by mail add 8 cents per pound for postage in quantities over $\frac{1}{4}$ pound.



PURPLE TOP,
STRAP LEAVED

TOMATO. **Culture.** Sow in a hotbed in early spring, or the seed may be sown in shallow boxes and placed in a window when one does not wish to have the trouble of a hotbed. Transplant to the open ground when danger of frost is past, setting the plants three feet apart each way. Tomatoes do best on light, warm, not over-rich soil.

A LIST OF STANDARD TOMATOES WORTH GROWING.			
	Pkt.	Oz.	1/4 lb.
Atlantic Prize. —The earliest of all, smooth, red and solid	05	20	60
Acme. —Size medium, color reddish with slight tinge of purple; flesh deep scarlet and unusually solid	05	20	60
Beauty. —Fruit large, uniform in size, very smooth; skin purplish pink, flesh light pink, of excellent flavor	05	20	60
Favorite. —One of the largest perfect shaped Tomatoes, does not crack or rot; dark red	05	20	60
Perfection. —Early, large size, very productive, fine blood red	05	20	60
Paragon. —Large, solid and smooth, deep red	05	20	60
Magnus. —Purple-red fruit of largest size. Early and ripens evenly. Flesh thick, free from cracks, and is of excellent flavor	05	20	60
Stone. —Perfectly smooth, bright scarlet, very solid, good shipper	05	20	60
T. T. T. or Ten Ton Tomato. —Fruit deep red, smooth as an apple	05	20	60
Crimson Cushion. —Brilliant scarlet crimson. Extra large	05	20	60
Trophy. —Smooth, solid as an apple, fine in color, prolific	05	20	60
Peach Tomato. —Resembles a peach in shape, size and color, covered with a delicate bloom or furze like a peach; of most delicious flavor	05	20	60
Large Yellow. —A bright yellow; large, early, solid	05	20	60
Red Cherry. —Borne in large clusters; for preserving and pickling; bright red	05	20	60
Pear Shaped. —(Yellow). Used for preserving and pickling	05	20	60
Pear Shaped. —(Red). Differs from the above only in color	05	20	60
Husk Tomato or Ground Cherry. —This is liked by many for preserves and for eating from the hand. The seed we offer is that of the <i>true</i> Yellow Ground Cherry, and not the purple fruited sort which is scarcely edible	05	20	60

Honor Bright.—The best for late crop. Very productive and unequaled for shipping. Pleasing, palatable flavor, bright red color. The clusters bear 3 to 5 large, perfect fruits, which ripen evenly from blossom end to stem. Its table qualities are superb, the flesh when ripe being tender and melting.

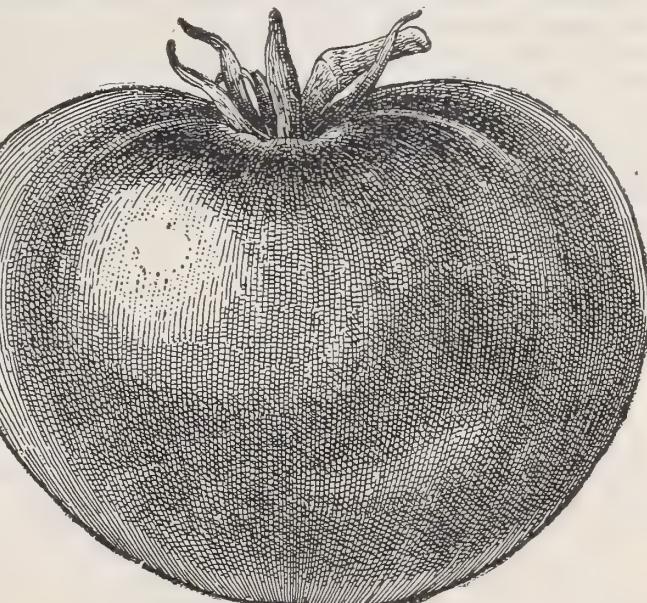
Packet 5c, ounce 20c, 1/4 pound 60c

Nolte's Earliest.—Remarkable for its earliness, large size, handsome shape and bright red color. Its solidity and fine quality are quite equal to the best medium and late sorts, while it ripens nearly as early as Atlantic Prize. Pkt. 5c, 1/4 oz. 10c, oz. 30c, 1/4 lb. 90c



NOLTE'S EARLIEST.

SPARKS' EARLIANA.—No Tomato ever introduced has brought so much favorable comment. It stands unsurpassed for a first-early variety combining great size. The fruit grows very uniform, of fine shape, and is a bright red. Very solid and immensely productive.



SPARKS' EARLIANA.

Packet 5c, 1/4 ounce 10c, ounce 30c, 1/4 pound 90c
Dwarf Champion.—Stems short, thick, stiff, almost self-supporting. Leaves very dark, much curled and twisted. Fruit borne in showy clusters. quite large, solid and of good color. Requires but little space. The dwarf, upright habit of the vine makes it very desirable for forcing, as it can be planted closer to the glass, and more closely on the bench.

Packet 5c, ounce 25c, 1/4 pound 75c

Dwarf Aristocrat.—Erect, strong vine; large red fruit of fine quality. Pkt. 5c, oz. 20c, 1/4 lb. 60c
New Dwarf Stone.—In habit of vine it resembles Dwarf Champion. It is equally as early, and fully as prolific, while it attains a much larger size. In fact, in size, shape and color it closely resembles the tall Stone, and is the largest dwarf tomato in existence. It is very solid, ripens evenly, and is of most excellent quality.

Packet 5c, 1/4 ounce 10c, ounce 35c, 1/4 pound 90c



P EPPERMINT

LAVENDER

FENNEL

SAGE

SUMMER SAVORY

Seeds of Aromatic, Medicinal and Pot Herbs

Most of the varieties thrive best on sandy soil. The soil should be carefully prepared and well cultivated, as the young plants are for the most part delicate and easily choked out by weeds. The stalks should be cut when in bloom, wilted in the sun, and thoroughly dried in the shade.

	Pkt.	Oz.	4 Oz.
Anise.	For garnishing, seasoning and for cordials; aromatic odor and taste.....	05	10 25
Asperula Odorata.	(Waldmeister.) For flavoring May wine; keep moist and shaded	10	
Basil, Sweet.	For flavoring soups and sauces; fine and broad leaved.....	05	20 40
Borage.	Used as a salad; the flowers are excellent for bees.....	05	10 30
Caraway.	Cultivated for its seeds, which are used for flavoring liquors, bread, etc..	05	15
Catnip.	Has medicinal qualities; also grown for bee pasture.....	05	30
Chamomile.	Used for tea.....	05	
Chervil.	More beautiful than parsley, and used for garnishing and flavoring dishes	05	15 30
Coriander.	Seeds have an agreeably aromatic taste, and are used in confectionery..	05	10 25
Dandelion.	Thick Leaved. Is fast becoming a favorite spring green; very profitable	10	50
Dill.	Aromatic odor and warm, pungent taste; added to pickled cucumbers to flavor	05	08 15
Fennel.	Sweet. Seeds are used for flavoring, the leaves for garnishing.....	05	10 25
Lavender.	Grown for its flowers which are used in the manufacture of perfumes.....	05	20 50
Marjoram, Sweet.	The tops are used green for flavoring, or dried for winter use....	05	15 45
Peppermint.	For flavoring and for the distillation of the essence of peppermint.....	10	
Pimpinella.	The young tender leaves are used as salad; flavor like cucumbers.....	05	20
Poppy.	White or blue seeded; used for baking, fresh seed.....	05	15
Rosemary.	Fragrant; yields an aromatic oil and water; leaves used for seasoning..	05	30
Saffron.	For medicine and for coloring; also to make cosmetic powder called rouge	05	10 30
Sage.	Used very extensively for flavoring and dressing; also in medicine.....	05	15 40
Savory, Summer.	(Bohnenkraut.) Extensively used for flavoring, especially beans.	05	10 25
Sorrel.	Esteemed as salad, cooked as greens, etc. Leaves of mild, acid flavor.....	05	15 40
Tarragon.	The leaves, either dried or fresh, are highly esteemed for seasoning.....	10	
Thyme.	A medicinal and culinary herb; used for seasoning and dressing.....	05	25
Wormwood.	Used as a tonic and dressing for bruises; benificial for poultry; bitter.	05	20

Vegetable Plants and Roots

We handle large quantities of Vegetable Plants and Roots, and can supply all the varieties below.

Asgaragus Roots Strong two-year-old roots of Columbian Mammoth White and Conover's Colossal. Dozen 15c, 100 \$1.00
If by mail add 4c per dozen, 30c per 100
Cabbage Early and late white; red; savoy.
Cauliflower
Celery and Celeriac
Chives (Schnittlauch) 5c clump, 50c dozen.
Egg Plants Grown in pots, each 7c, doz. 70c

Garlic Sets White Bavarian. Pound 25c, by mail 35c

Horseradish Sets 15c per dozen, 75c per 100

Kale, Kohlrabi, Leek, Parsley, Pepper

Rhubarb Roots Vitcoria. Strong clumps, each 10c, 15c, 20c, by express or freight.

Tomato Plants Sparks' Earliana, New Stone, Dwarf Champion, and others.

Sage, Summer Savory, Marjoram, Thyme

Write for prices on varieties where prices do not appear above.

**Vegetable
Gardening**

A MANUAL ON THE
GROWING OF VEGETABLES
FOR HOME USE AND MARKETING
BY SAMUEL B. GREEN

Paper Covers
50c
Cloth Bound
\$1.00

Selected Farm Seeds.

We give special attention to the quality of our Farm Seeds, and send out nothing but most carefully selected and recleaned stock. It is our purpose to supply the **very best only**. **Prices on Farm Seeds subject to market changes.** Purchaser pays freight in all cases.

CHOICE SEED FIELD CORN.

THE SEED CORN we offer is grown specially for that purpose, carefully selected, cured and shelled.

It will pay any enterprising farmer to secure seed of the promising new varieties. Such men invariably obtain highest market prices for all they can produce.

White Cap Yellow Dent.—This now famous corn possesses the earliness of *Pride of the North*. Grows about 6 to 7 feet in height, with abundant foliage and fine large ear. The tip ends of the grains are white, the inside yellow, making it of a beautiful color both on cob and when shelled. It is enormously productive, husks and shells well.

Per quart 10c, peck 50c, bushel 1.50

Pride of the North.—One of the most valuable and reliable varieties of dent corn that we know of.

Per quart 10c, peck 50c, bushel 1.50

Wisconsin Yellow Dent—This is the best Dent of its color for the south half of Wisconsin and similar corn belt. Has as deep a grain and as large a percentage of grain to cob as is possible for such an early sort; red cob; color bright yellow. Length of ears $7\frac{1}{2}$ inches. Per qt, 10c, peck 50c, bu. 1.50

Sanford's Early White Flint—The ears are of unusual length and of handsome shape, flinty white color. Plant is of sturdy, vigorous growth. The stalks usually bear 2 or 3 long ears.

Per quart 10c, peck 50c, bushel 1.50

Longfellow Yellow Summer Flint.—Farmers' Favorite; a very early, productive and desirable variety.

Per quart 10c, peck 50c, bushel 1.50

Red Cob Ensilage.—A most desirable variety, adapted to all sections of the country. It is sweet, tender and juicy; has short joints, abundance of leaves and grows to a good height. Per quart 10c, peck 35c, bushel 1.00



DWARF ESSEX RAPE.

Dwarf Essex Rape

The main secret in the successful raising of sheep for mutton, for which the English are so famous, lies undoubtedly in the very general use of Fodder Rape for feeding them. Dwarf Essex is easily grown and perfectly hardy, and possesses remarkable fattening properties. Pigs and cattle are also very fond of it. The plant is a rank grower and should have heavy manuring, as well as high cultivation. Any corn soil will grow Rape. Sow the seed during the third or fourth week in June; it can then resist drouth, and the crop can be ready to feed at a season when it is most needed. By sowing different pieces several weeks apart a continuous supply of good feed can be had.

Per pound 15c, 10 pounds \$1.00

Kaffir Corn. One of the best of forage plants. It is the greatest grain producer of the Cane family, and is greedily eaten by all domestic animals. For grain sow at the rate of 5 to 7 pounds per acre and cultivate same as corn. For hay sow at the rate of 50 pounds per acre; makes a very valuable hay of good quality.

1 pound 5c, 10 pounds 45c, 25 pounds \$1.00, 50 pounds \$1.75, 100 pounds \$3.00

SORGHUM or SUGAR CANE. Early Amber.—The best green food that can be grown for feeding cows, horses and young stock during the dry spells of August and September. Sow broadcast 60 pounds to the acre, or 15 pounds in rows. 10 pounds 40c, 25 pounds 75c, 100 pounds \$2.50

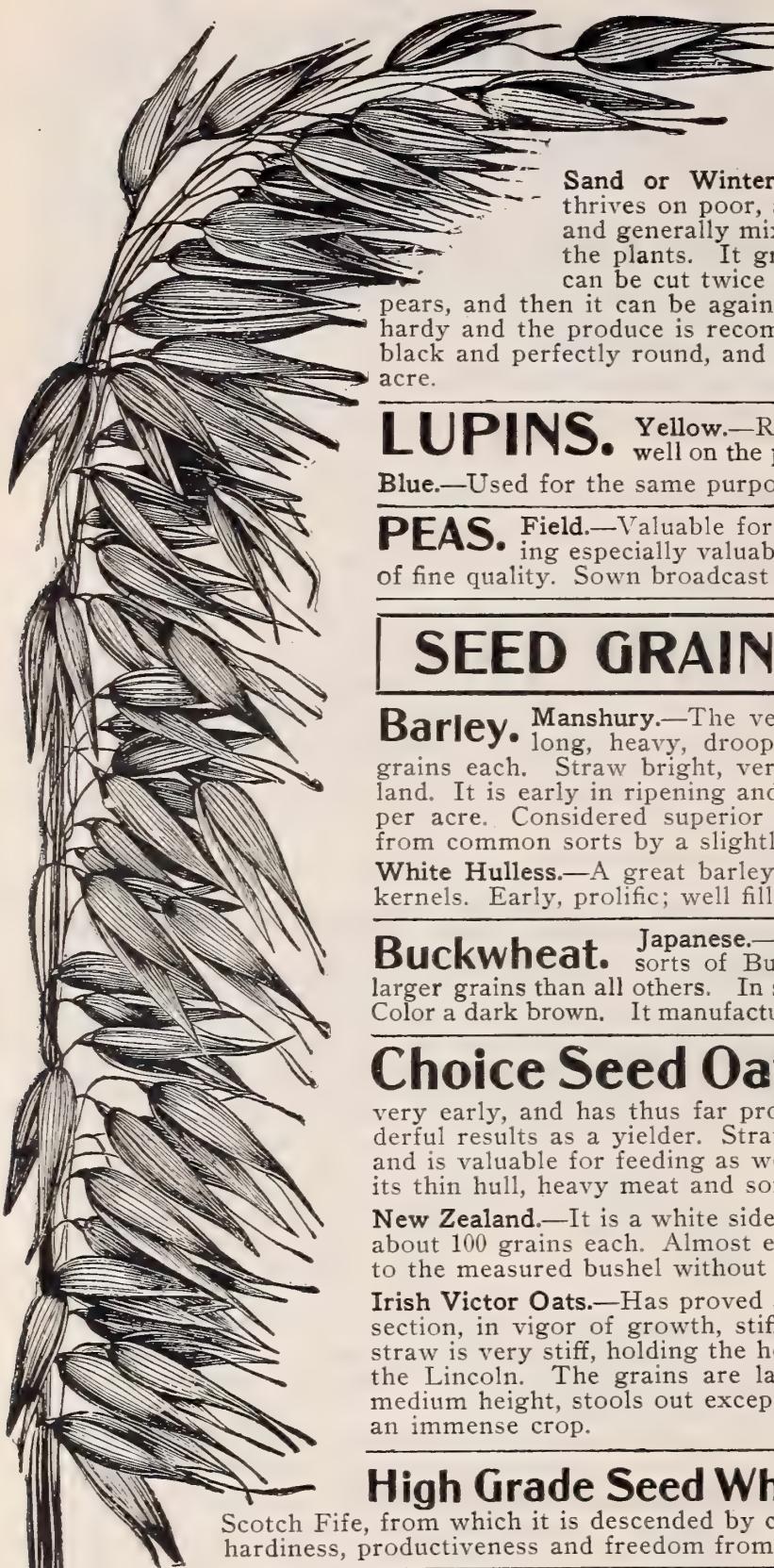
MAMMOTH RUSSIAN SUNFLOWER.—The best variety for the farmer, growing to double the size of the common and the yield is twice as great. It is highly recommended for poultry

1 pound 8c, 5 pounds 35c, 25 pounds \$1.50, 100 pounds \$5.00

ROOT CROPS FOR FARM STOCK

It is not what an animal eats but what it digests and assimilates, that is of benefit to the owner. When fed on a ration containing something green or fresh appetite is stimulated; the digestion is more perfect, and the general health and restful content greater. In addition, roots contain high quantities of nutritious sugar, and are a necessity in the rations of growing and fattening animals.

MANGELS, SUGAR BEETS, CARROTS, RUTABAGAS, TURNIPS.



NEW ZEALAND Rye. **Spring.**—This variety has been developed simply by planting Winter Rye in the spring and selecting the seed so procured for several years. The standard variety for spring planting.

Per peck 30c, bushel \$1.00

HIGH CLASS FARMING

Comprehends the growing of crops more extended in variety than is cultivated on the ordinary farm. Especially must this be practiced on farms devoted in whole or in part to the rearing of live stock, or those other farms the proprietors of which desire to establish show places. Among the special crops referred to are:

RAPE.—For soiling and folding sheep and swine. The sowing of the seed being made between 15th of May and 15th of June. Seed for an acre will cost 50 cents.

CARROTS AND MANGOLDS.—For horses and milch cows. The seed sown 15th May to 10th June. Seed for an acre will cost about \$1.50 to \$2.00.

SWedes OR RUTABAGA.—For live stock of all sorts. The Bloomsdale is the best. Drilling should be made between 15th June and 15th July. The seed for an acre will cost about \$1.00.

TURNIP.—Turnips need not be sown so early as Swedes. They are of almost equal value. The seed for an acre will cost about 75c.

VETCHES. Spring Tares. (Vicia Sativa.)

Sown broadcast at a rate of 1 to 1½ bushels to the acre like wheat or barley, and sometimes mixed with oats for soiling. Per lb. 10c.

Sand or Winter Vetch.—(Vicia Villosa.) This variety thrives on poor, arid soils. It is sown in fall or in spring, and generally mixed with rye, which serves as a support to the plants. It grows to a height of from 3 to 4 feet, and can be cut twice for fodder, first as soon as the bloom appears, and then it can be again cut for the seed. The plant is perfectly hardy and the produce is recommended as most nutritious. The seed is black and perfectly round, and should be sown at rate of 100 lbs. to the acre. Per pound 15c, 10 pounds \$1.00

LUPINS. Yellow.—Remain green for a long period. Succeed well on the poorest soil, and is valuable for plowing in.

Blue.—Used for the same purpose as the yellow variety. Pound 10c

PEAS. Field.—Valuable for northern climates, for cattle feeding, being especially valuable for milch cows. It also makes ensilage of fine quality. Sown broadcast in spring and harrowed in. Qt. 10c

SEED GRAIN.

Prices on Seed Grain subject to market changes. Crown Expressly for Seed. Carefully Recleaned and Selected.

Barley. Manshury.—The very best six-rowed barley grown. Heads long, heavy, drooping and well filled, containing 75 to 90 grains each. Straw bright, very strong; does not lodge on the richest land. It is early in ripening and always plump, yields from 50 to 70 bus. per acre. Considered superior for malting. Long heads; distinguished from common sorts by a slightly reddish tint to the beard. Bus. \$1.00

White Hulless.—A great barley for stock feeding. Plump, heavy wheat kernels. Early, prolific; well filled heads. Per bus. \$1.75, peck 50c

Buckwheat. Japanese.—This variety is rapidly displacing all other sorts of Buckwheat. It ripens early and has much larger grains than all others. In shape the kernels are peculiar and distinct. Color a dark brown. It manufacturers a superior flour. Peck 40c, bu. \$1.25

Choice Seed Oats. Lincoln.—The following are a few of its points of excellence: It is very early, and has thus far proved itself rust proof. It has given wonderful results as a yielder. Straw is stiff and strong. Grain is handsome and is valuable for feeding as well as grinding for oatmeal on account of its thin hull, heavy meat and soft nib. Per peck 25c, bushel 75c

New Zealand.—It is a white side oat, of medium size, with heavy heads of about 100 grains each. Almost entirely free from rust. Has tested 40 lbs. to the measured bushel without recleaning. Per peck 25c, bushel 75c

Irish Victor Oats.—Has proved superior to all other sorts grown in same section, in vigor of growth, stiffness of straw and productiveness. The straw is very stiff, holding the heavy head up well. It is fully as early as the Lincoln. The grains are large, plump and heavy. Plant grows to medium height, stools out exceptionally well, is free from rust and yields an immense crop. Per peck 30c, bushel \$1.00

High Grade Seed Wheat. Saskatchewan Fife (Spring).—Has all the general characteristics of Scotch Fife, from which it is descended by careful selections. It excels in earliness, hardiness, productiveness and freedom from smut and all diseases. Peck 50c, bu. \$1.50

LAWN GRASS.

Dallwigs Emerald Green Grass Mixture.

The Lawn Grass Mixture which we offer should not be compared with the cheaper preparations advertised. Our prescription is of the best chosen varieties, as respects color, texture and permanency, and will be found clear of weed seeds. Any one who purchases cheap, badly mixed Lawn Grass will soon realize that it was a poor investment, as the error will stand out for years in glaring ugliness.

The grasses of which "Dallwig's Emerald Lawn Mixture" is composed will in the shortest time possible produce a beautiful dwarf, compact turf, which will endure the summer heat, and insure a rich, deep green sward throughout the season. We take every precaution to eliminate as far as possible all weed seeds.

Per pound 20c



A

Velvet
Sod.

Any one can have it; corporations do not control it. It will grow in the back yard of a city house as well as in the front. It will grow in the village as well as in the meadow or on the hillside. It is the world-wide covering of the earth as beautiful as flowers, more durable, less costly, natures own blanket over the rocky soil. No trouble to prepare the soil to receive the seed, always a fair certainty of its growing, and when established a thing of beauty and a joy.

There exists no reason for unsightly, bare spots in yard or lawn, no reason except indifference to the beautiful, a want of energy, a want of system. Let none of these charges rest against you, reader, but put down grass seed wherever it is wanted, and rest assured you will be amply repaid in the satisfaction of having beautified your grounds, and of having set an example of good taste.

GRASS SEEDS.

The following list gives names and short description of the very best varieties for general use.

PRICES SUBJECT TO MARKET CHANGES.

Timothy.—It makes the best hay for horses and market of the entire list, and being an early grass is well adapted to spring grazing. It is a perennial, and if the meadow is kept in good fertility by surface dressing it will last and bear good crops indefinitely. We handle strictly pure stocks for those who want the best only. Sow 15 to 25 pounds to the acre. (Bushel 45 pounds.)

GRASS SEEDS.Continued.

Kentucky Blue Grass. (June Grass.)—Valuable pasture grass and for lawns when mixed with other grasses. It grows well in rather a dry soil, but will grow on a variety of soils from the driest knolls to a wet meadow. It endures the frosts of winter better than many other grasses. Flowers in June. Sow about 28 lbs. to the acre early in the spring or during October and November.

Red Top.—Thrives best on low lands, where it cuts a good crop of rather light hay of fair quality. Suitable for low pastures. Sow 2 bushels per acre; 14. lbs. to the bushel.

Orchard Grass.—This is one of the most valuable and widely known of all the pasture grasses. Its good properties are earliness, rapid growth and power to resist drought. It will endure considerable shade. If cut when in flower, or very soon after, it makes first-rate hay; ripe, it makes poor hay. Flowers about the same time as Red Clover. Sow 24 pounds to the acre.

Perennial Rye Grass.—Nutritious and valuable; in most cases not excelled by Blue Grass for pasture. It thrives on almost all cultivated soils; starts early and grows all summer. Height seldom over 18 inches. Flowers in June.

Sweet Vernal.—Useful as a mixture with other grasses on account of its early growth. It emits an agreeable odor when cut for hay. Sow 10 pounds to the acre with other grasses.

Millet.—Height 2 to 3 feet; succulent stem; leaves broad and numerous, grows rapidly, and matures early. Can be planted as late as August and mature a crop of hay the same season. Sow $\frac{3}{4}$ bushel per acre. 50 pounds to the bushel.

Hungarian Grass (Panicum Germanicum).—One of the most valuable annual soiling plants. It grows on ordinary soil; withstands drought well. As it is of very rapid growth, being ready for cutting within sixty days, it may be sown in this latitude as late as middle of July for hay, or middle of August for green fodder. It should be cut just before blooming. Sow 1 bushel to the acre. (48 lbs. to bushel.) Price variable.

CLOVERS.**Prices on Application.**

Red or June.—The common clover in general cultivation; grows 2 to 3 feet high, and is the best for hay. Makes excellent pasturage when sown with grasses, and is one of the best fodders for cows and sheep. When used alone, sow about 8 pounds of seed per acre; 60 pounds to the bushel. Write for prices in quantity.

Scarlet or Crimson Clover (Trifolium Incarnatum).—This clover is being recognized throughout the west and south as a necessary and valuable addition to economical farming. May be sown at any time from April to October. Sown early, the first growth is available for pasture in the fall, and still make a good crop of hay the following spring, or may be turned under for corn or other crops, and for that purpose is said to be even more valuable than the ordinary Red Clover. Rooting very deep, it supplies nitrogen and potash largely to the soil. Will grow a heavy crop of hay or seed on poorest land. Sow 15 lbs. to acre. Horses and cattle are fond of the hay, which should be cut as soon as in full bloom. Taken altogether, the Scarlet or Crimson Clover is a great boon to the farming community, being principally used for plowing under as a green crop. Per lb. 15c.

White.—Low; one of the best of the Clovers for permanent pasturage, but prefers moist land. Mixed with Blue Grass or Perennial Rye Grass it makes a permanent pasture of great grazing value. Stems fine and palatable, bearing numerous leaves of bright green color. Sow 6 pounds per acre when used alone, or 3 pounds with grass seeds. 60 pounds to the bushel.

Alfalfa or Lucerne.—Alfalfa flourishes in all southern and western states and has succeeded admirably in many localities of the North. It is one of the most valuable among the clovers. Standing for years, shooting its roots downward till they are ten to fifteen feet below the surface, it resists the driest weather, and when every blade of grass droops for want of moisture, it holds up fresh and green as in genial spring. It does not succeed on compact clay, nor on land with impermeable subsoil. Far from exhausting land, it increases fertility, as has been fully established. Cattle pastured upon Alfalfa are apt to eat off the crowns, consequently the best practice is to cut it and stall-feed the animals. Sow 10 pounds to the acre. Per pounds 15c

Alsike or Swedish.—Hardy, resists extremes of drought and wet, yields large crops of superior pasturage, and much liked by cattle. It is well suited to sowing on lands liable to wash, as its long fibrous roots spread over a wide area, and so interlace and hold the soil as to resist the heaviest rains. Can be planted on any kind of soil. Blossom heads round, resembling White Clover in shape, flesh colored, sweet and fragrant; much liked by bees. Sow 6 pounds per acre in spring or fall; 60 pounds to the bushel.

**Shopping by Letter.**

The United States Mail Brings our Seeds to Every Man's Door,

Therefore there is no Trouble Obtaining Seeds by Mail.

Descriptive List of Flower Seeds.

The pleasure resulting from a large and varied collection of flowers will amply repay for time and labor spent.

Culture. Most flower seeds germinate well in a rather light sandy loam. A general rule for the seed-bed is to have the soil rich, level and worked very finely. Sow the seed evenly in the rows, cover with the finest of soil, about three times the diameter of the seed, and press the soil firmly over the seed. The soil should never become dry after the seeds have been swelled. After the seeds are up, care must be taken to give them plenty of air and moisture. As soon as the second leaves are well out they should be transplanted into pots or new boxes. When finally transplanted to the bed or border they should be watered frequently until well established.

In the following pages we describe the leading flowers grown from seed, including many **New and Special Flowers** of unusual beauty. These seeds are all of the finest strains of the best varieties and are sure to give entire satisfaction. They are procured without respect as to cost, from the best growers of the particular kinds in America and Europe, and the whole makes a collection unexcelled in quality and vastly superior to the stock usually sold.

LARGE-SIZED PACKETS. Our packets are very large, and contain in most cases more seed than is needed in a home garden and about four times the quantity usually contained in the papers offered by department and some other stores. We have always found the liberal treatment of our customers to be the best paying feature of our business.

— ALL FLOWER SEEDS SENT POSTPAID ON RECEIPT OF PRICE. —

ABUTILON—Handsome little bushes covered with bell-shaped flowers in the daintiest and also strongest colors, dotted and handsomely veined. Are of easy culture; bloom readily from seed the first summer. (Hybrida Grandiflora.) Mixed colors.

Per packet 15c



ADONIS.

ADONIS—*Aestivalis* (Flos Adonis).

—Flowers bright crimson, peering from finely cut dark foliage. Per packet 5c

AGERATUM.—Very effective plants for bedding, remaining in bloom throughout the whole summer; valuable cut-flower.

Blue Perfection.—The darkest colored of all the large flowering Ageratums. Dwarf, compact growth. Its color is



ABUTILONS

a deep amethyst blue, and has nothing of the faded-out appearance of the old-style Ageratum.

Per packet 5c

Imperial Dwarf Blue.—

Excellent plant for ribbon borders, 6 inches.

Imperial Dwarf White.—

Per packet 5c

“Little Dorrit.”—Splendid blue, excellent for bedding

Per packet 5c

Swanley Blue.—Large flowering.

Per packet 5c

ARCTOTIS GRANDIS.—Bushes 2-2½ feet high and wide.

Flowers large and showy, borne on long stems; ray florets pure white on upper surface with narrow yellow zone at base; reverse pale lilac-blue; disc light blue.

Per packet 10c



ARCTOTIS GRANDIS.



ASPARAGUS SPRENGERII.

ASPARAGUS SPRENGERII.—Most handsome seen drooping gracefully and naturally from pot or hanging basket. The growths thrown up in a free and plumose manner, 4 to 8 feet in length, of a fresh, light or apple green hue, are admirably adapted for all delicate decorations indoors. It is hardier than any other asparagus. It remains fresh for weeks after cutting.

Per packet 10c

ASPARAGUS PLUMOSUS.—(Asparagus Fern.) One of the prettiest house plants. The leaves are bright green, gracefully arched, surpassing Maidenhair Ferns in grace, delicacy of texture and richness of color. It is admirably adapted to house culture.

Per packet 10c



ASPARAGUS PLUMOSUS.

Perfectly round, with incurved petals; height eighteen inches to two feet.

Pure White, Light Blue, Light Blue with White, Bright Scarlet with White, Pink with White, Bright Scarlet, Deep Pink with White, Glowing Dark Crimson, Dark Blue, Delicate Pink, Carmine Rose, Mixed. Per packet 5c

Victoria.—Probably the handsomest variety, taken all in all, for size, color and profusion of bloom. The colors include many extremely delicate, some gorgeous shades; flowers very double, 1 1/4 feet. Fiery Scarlet, Delicate Pink, Light Pink-White Tipped, Crimson, Dark Blue, Pure White, Pink and White, Light Blue, Carmine Rose, Mixed. Per packet 5c

Giant Comet Aster.—This distinct class of Asters resembles very much the Japan Chrysanthemum in size and shape of flowers. The petals are long and beautifully curled. They have a wide range of handsome colors and are extremely floriferous.

Snow White.—Grand pure white flowers of immense size.

"The Bride."—The flowers at first pure white, change to a lovely pink and finally to a beautiful rose tint; a most charming variety for cut flowers.

Alyssum (Sweet.)—A general favorite, with delicate white flowers of exquisite fragrance, very free blooming, suitable for beds, borders and rock-work; very useful cut flowers for the winter.

Benthami.—White, very sweet. Ounce 20c, packet 5c

Benthami Compactum.—Of dwarf, robust growth; six inches Ounce 30c, packet 5c

Little Gem—This should really be called the "Snow White Carpet Plant," for the plants which are only a few inches high grow so dense, and are so completely covered with snow white blossoms as to create the impression of a beautiful carpet spread over the ground. We know of no other white flower which is so particularly well adapted to borders, ribbon bedding, etc., as our "Little Gem" Alyssum.

Per ounce 30c, packet 5c

Aquilegia (Columbines.)—Very handsome, ornamental hardy plants, growing two to three feet high; of easy cultivation, and bearing in profusion large flowers of novel shape and in great variety of color. The stems rise about two feet high, and carry numerous blossoms.

Coerulea.—Sky Blue, per packet 5c. Single Mixed, per packet 5c. Double Mixed, per packet 5c

Antirrhinum.—See Snapdragon.



AQUILEGIA (COLUMBINES.)

Dallwig's German Grown Asters.

It is an undeniable fact that for purity, Aster seed grown in Germany is far superior to any grown elsewhere. The climate is better suited to the full development of the flowers and the German growers have the experience of a century behind them. Ours is procured from careful and experienced growers.

Perfection.—**Improved Paeony Flowered.** A favorite class; thrifty upright growers; flowers large and almost perfectly round, with incurved petals; height eighteen inches to two feet.

Pure White, Light Blue, Light Blue with White, Bright Scarlet with White, Pink with White, Bright Scarlet, Deep Pink with White, Glowing Dark Crimson, Dark Blue, Delicate Pink,

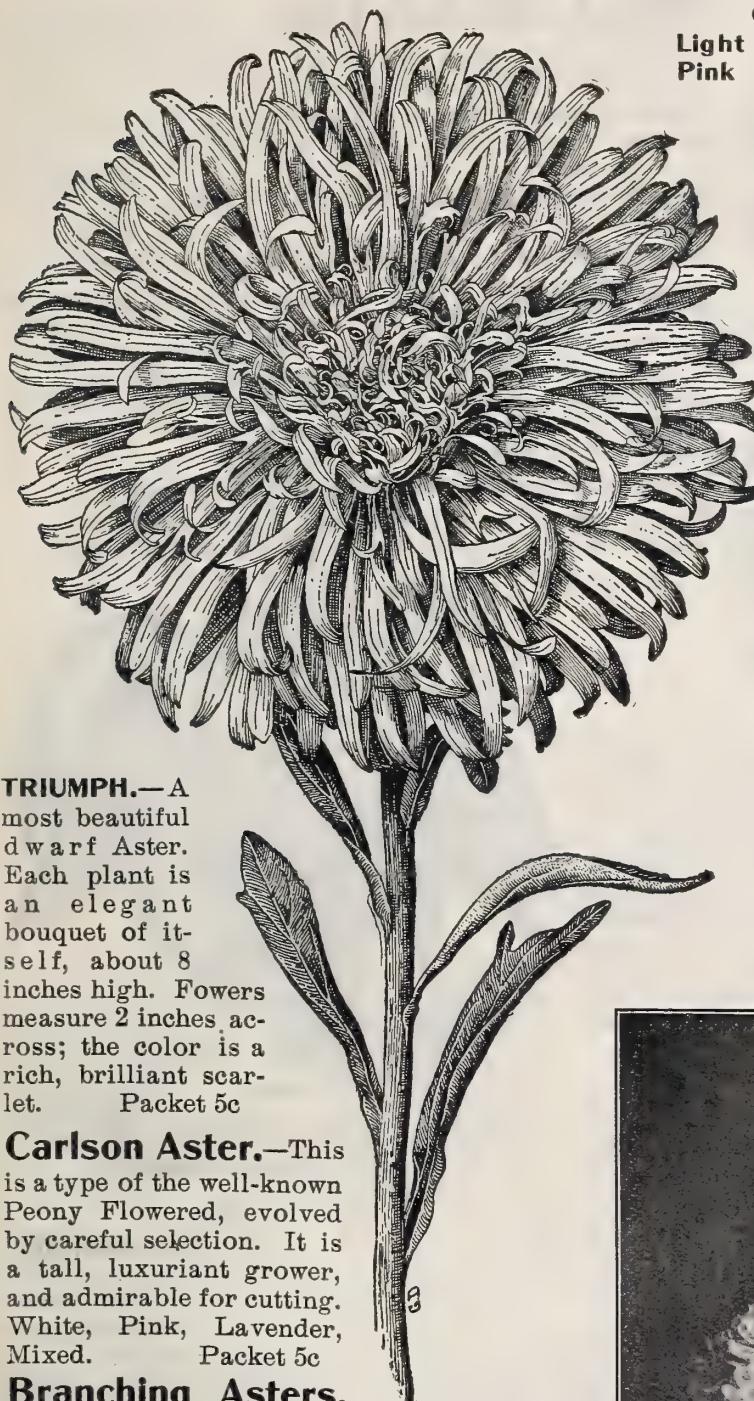
Carmine Rose, Mixed. Per packet 5c

Victoria.—Probably the handsomest variety, taken all in all, for size, color and profusion of bloom. The colors include many extremely delicate, some gorgeous shades; flowers very double, 1 1/4 feet. Fiery Scarlet, Delicate Pink, Light Pink-White Tipped, Crimson, Dark Blue, Pure White, Pink and White, Light Blue, Carmine Rose, Mixed. Per packet 5c

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"The Bride."—The flowers at first pure white, change to a lovely pink and finally to a beautiful rose tint; a most charming variety for cut flowers.



TRIUMPH.—A most beautiful dwarf Aster. Each plant is an elegant bouquet of itself, about 8 inches high. Flowers measure 2 inches across; the color is a rich, brilliant scarlet. Packet 5c

Carlson Aster.—This is a type of the well-known Peony Flowered, evolved by careful selection. It is a tall, luxuriant grower, and admirable for cutting. White, Pink, Lavender, Mixed. Packet 5c

Branching Asters.

—This Aster is a strong HOHENZOLLERN grower and its tendency to form numerous branches is very marked, therefore it should have more room than other asters. A rather late bloomer, thus giving its crop of flowers at a season when there is always a scarcity of bloom. The flowers are borne on very long stems, and are four inches and more in diameter. The petals are broad, long, and many of them more or less twisted or curled.

White, Lavender, Purple, Deep Pink, Daybreak Pink, Crimson, Mixed.

Packet 5c

AURICULA.—(PRIMULA.) A dwarf growing plant, bearing umbels of fragrant flowers of many rich and beautiful colors.

Packet 10c

GIANT COMET ASTER—Continued.

Light Blue	Light Blue with White	Dark Blue
Pink	Pink with White	Carmine

Yellow

Any of above colors, Packet 5c

Giant Comet Mixed.—Includes all the above colors. Packet 5c

Hohenzollern or Ostrich Feather.

—The Hohenzollern Asters are a new type with long, wavy, twisted, feathery petals, like the wavy, beautiful feathers of the ostrich. They are a valuable addition to the decorative class of Asters. Flowers measure 4 inches across, borne on stems 20 inches long.

Pure White. Pink. Crimson. Lilac. Dark Blue. Terra Cotta. Mixed. Packet 10c

Queen of the Market.—Very early, extremely floriferous, medium sized variety, with long stems. Excellent for cutting.

White. Pink. Crimson. Light Blue. Dark Blue. Scarlet. Deep Scarlet. Mixed. Packet 5c

SHAKESPEARE.—Very dwarf, continuous bloomer. Mixed. Packet 5c

GIANT EMPEROR.—Produce extremely large, perfectly double flowers. Mixed. Packet 5c

DAYBREAK.—Delicate soft pink color, graceful habit. Large, full flowers on long stems. Excellent for cutting. Packet 5c



BRANCHING ASTERS.



BALSAM.

New Giant - Flowered Browallia. — Beautiful for either bedding or pot culture. This large flowered Browallia is one of the best plants for bedding in summer, and equally valuable for house culture in pots in winter. It grows about a foot high, forming dense little bushes, which are covered with an abundance of the most delightful sky-blue flowers. For beds, borders or pots there is hardly another plant with blue flowers that compares with it. Per packet 15c

Cacalia. — (Tassel Flowers). Tassel-shaped scarlet and orange flowers. Per packet 5c

CALCEOLARIA. — Very handsome and showy plants for the green house or house culture. The plants grow about eighteen inches high and during spring and summer are covered with a great many curious pocketlike flowers. Our seed is saved from the best European collection and will produce flowers of large size and in an endless variety of colors.

Calliopsis or Coreopsis. — Very showy plant, producing flowers in every shade of yellow, orange, crimson and brown, will bloom until frost. *Mixed colors.* Per packet 5c

CANNA. — Stately ornamental plants, very desirable for bedding outdoors, where they produce clusters of large flowers of the most intense and brilliant colors. The seeds are extremely hard and it is advisable to file through the outside covering; soak in warm water several hours before planting. Comes readily from seed; that sown early will give blooming plants the first season.

Queen Charlotte. — Rich crimson scarlet with wide gold border; a profuse bloomer. Per packet 5c

NEW
GIANT
FLOWERED
BROWALLIA

BALSAMS. — Balsams or Ladies' Slippers are old favorites with every one, owing to their handsome double flowers, brilliant colors and stately growth.

Double Camellia Flowered Balsams. — Lilac, light blue, carmine, scarlet, pink, purple. *Mixed Colors.* Per packet 5c

Rose Flowered. — White, pink, yellow, red, apple blossom. *Mixed Colors.* Per packet 5c

Dwarf Balsams. — All colors mixed. Per packet 5c

BEGONIA. — As bedding plants there is nothing to equal the Tuberous Rooted Begonia. They bloom equal to the geranium, but with a form and variety of colors and shading equal to the rose. They are easy to grow from seed, and if sown in February or March bloom the same year. For winter plants sow in August.

Single Tuberous Rooted Begonias. — Per packet 20c.

Begonia Rex. — Grown for their large, beautiful, ornamental leaves. Unexcelled as window plants. Pkt. 25c



BEGONIA REX.

Per packet 25c

Calliopsis or Coreopsis. — Very showy plant, producing flowers in every shade of yellow, orange, crimson and brown, will bloom until frost. *Mixed colors.* Per packet 5c

See illustration under
"Bulbs."



Mad. Crozy. — Vermillion flowers bordered with gold. One of the most popular Cannas. Great bloomer. Per packet 5c

Mixed. — Contains all the finest, dwarf Crozy varieties. Per packet 5c

CALLIOPSIS.

CAMPANULA. — (Canterbury Bell). A highly attractive class of plants, combining richness of color with stately growth; valuable for beds and borders.

Campanula Medium. — Blue, very pretty. Per packet 5c

Campanula Medium. — Mixed. Per packet 5c

Campanula. Cup and Saucer. — A beautiful variety; a most desirable and attractive addition to this class of old garden favorites. The bell or trumpet is nearly four inches in diameter, presenting the form of a cup, hence its name. Per packet 5c



CANTERBURY BELL.

CANDYTUFT. (Iberis.) — Very useful for beds, ribbons, etc., also for pots and for cut flowers for bouquets. A bed of Candytuft in colors makes a splendid display.

Queen of Italy. — An exceedingly free flowering dwarf, compact variety with almost ever-

green foliage and delicate pink flowers; may be grown as annual or biennial; highly valuable for cutting purposes. Pkt. 5c

Empress. — A beautiful variety bearing candelabra-shaped branches, each producing a large truss of pure white flowers, presenting a perfect pyramid of bloom throughout the summer. See illustration plate VII.

Per packet 5c

Carmine. — **Purple.** — **Dark Red.** — **Mixed Colors.** — **White Rocket.** — Per packet 5c

CELOSIA. — **Cockscomb.** — A highly ornamental annual, valuable for bedding and house culture.

Empress. — Crimson

Queen of Dwarfs. — Carmine.

Fireking. — Bright red.

Pres. Thiers. — Much used in public parks for bedding. Dwarf, with dark leaves and broad, stiff combs.

Aurea. — Yellow.

Above dwarf varieties mixed.

Per packet 5c

Celosia Thompsoni Magnifica. — This represents the most perfect strain of the feathered or ostrich plumed Cockscombs. The plants have a true pyramidal branching growth, and the flower spikes vary in the most magnificent shades of colors, ranging from the clearest yellow to the darkest blood-red. Of great value for all decorative purposes in and out of doors. Packet 10c



CALLA DEVONIENSIS.

Calla Devoniensis. Blooms the first year from seed

The seedlings come true and will bloom profusely the first year. Its willingness to bloom is phenomenal, while its culture is of the simplest. Pure white, large blooms, borne on stout stalks.

A LAWN
may be established either by "sodding" or "seedling." The latter is not only much less expensive, but much more satisfactory, as better grasses can be thus obtained, and the quality and variety of the grasses have a great deal to do with the appearance and permanency of the lawn.



CELOSIA THOMPSONI MAGNIFICA.

Pure white, large
Packet 10c



EMPRESS CANDYTUFT



CENTAUREA IMPERIALIS

CARNATIONS.

The seed we offer is saved from the finest collection in Europe.

Extra Fine Double.—Mixed.

Per packet 5c

Grenadin Double.—Of dwarf, compact growth, flowers scarlet. Blooms some three weeks earlier than any other variety.

Per packet 10c



CARNATION.

Early Vienna Double Dwarf.—Very fine for open ground culture, blooming early in the season; all colors. Of easiest growth. It should be in every garden.

Per packet 5c

Marguerite.—These superb new Carnations have created a great sensation, not only by reason of their fine double fragrant flowers, but also because they can be TREATED AS ANNUALS. Like the Chinese Pinks THEY FLOWER FREELY THE FIRST SEASON from seed sown in the open ground. They yield a profusion of fragrant, fringed flowers in great variety of colors.

Packet 5c

Marguerite Dwarf.—Extra fine mixture.

Per packet 10c

CENTAUREA MARGARET.—A very handsome plant which grows about eighteen inches high and produces large, pure white flowers of the sweetest fragrance. Being produced on long stiff stems, the flowers are most admirably adapted for bouquets, vases, etc.

Per packet 5c

Centaurea Imperialis.—*Royal Sweet Sultans.* New.

Beautiful sweet-scented, artistic shaped flowers, borne on long, strong stems, and when cut will stand for 10 days in good condition. Of the easiest possible culture, flowering continuously from early summer till autumn. **Alba.**—Pure white. **Armida.**—Lilac. **Favorita.**—Brilliant rose.



CHRYSANTHEMUM CARINATUM.

CHRYSANTHEMUM.

The demand for these showy and useful flowers is increasing very rapidly. They bloom freely during the Summer and until late in the Fall, making a splendid display in flower beds; very useful for pot culture. Succeed best in rich loam, well dressed with rotted manure.

ANNUAL. **CARINATUM "CHAMAELEON."** — A very large flowering variety of this popular summer flower. It has received the name "Chamæleon" because the colors of the flowers on one and the same plant are constantly changing from the first stage of its bloom until it is at its climax. Per packet 5c

Hybridum Flimbriatum, Fl. Pl. — The flowers of this beautiful Chrysanthemum with its finely fringed petals over-lapping each other, are double and appear in all colors, the red and dark shades being most prominent.

Per packet 5c



CHRYSANTHEMUM MAXIMUM.

Graziosa. — Dark lilac. **Splendens.** — Dark purple. **Suaveolens.** — Yellow. Mixed, all the above sorts. Per packet 5c
(See illustration plate VII.)

Centaurea or Dusty Miller. —

Candidissima. — Leaves silvery white.

Per packet 5c

Gymnocarpa. — Silvery gray foliage.

Per packet 5c

Centaurea Cyanus. — Known as "Bachelor's Button," "Blue Bottle," "Corn Flower," "Bluet," "Ragged Sailor," etc.; fine for cut flowers. Two to three feet. **Blue or Mixed.**

Per packet 5c

New Double.

— It has been so perfected that fully eighty per cent of the flowers are double and semi-double; they are also increased in size and present many bright colors and distinct markings which have been hitherto unknown.

Per packet 5c



CENTAUREA CYANNUS.

Carinatum. — Pure golden yellow, very distinctly marked with clear cut rings or bands of purple scarlet. Pkt. 5c

Inodorum Plenissimum. — Furnishes an abundance of double snow-white flowers throughout the whole summer and fall; 2½ feet.

Per packet 5c

PERENNIAL.

"Perfection" or Large Ox-Eye Daisy. — A free blooming hardy perennial, two feet high, is literally smothered with pure white flowers. It is decidedly one of the best white cut flowers in cultivation.

Per packet 5c



CINERARIA.

Finest Hybrids.—In splendid mixture.

Convolvulus. *Mauritanicus.*—A beautiful trailing variety for vases, baskets, etc. Flowers blue with white and yellow throat. Per packet 5c

Tricolor.—Beautiful rose-colored flowers with pure white center, fringed with purple and shading toward golden yellow. Per packet 5c

COSMOS. *Giant California.*—For cutting for bouquets and vases this is one of the finest flowers grown, lasting in water for a week; the long stems and feathery foliage lend themselves to graceful arrangements. The plants, five to six feet high, of symmetrical pyramidal form, are one mass of feathery, emerald green foliage, studded with mammoth flowers of white, pink or crimson, enlivening the garden long after more tender flowers have succumbed to early frost. (See special half-tone plate VIII).

Giant Pink. **Giant White.**—The Pearl. **Giant Crimson.** **Giant Mixed.** Per packet 5c

Early Flowering Cosmos.—Comes into bloom in July and continues to flower until cut down by severe frost. Mixed. Per packet 5c

Early Flowering "Dawn." Flowers pure white with a delicate touch of pink at the base of petals. Dwarf Cosmos. Per packet 5c

CYCLAMEN. Charming bulbous-rooted plants, with beautiful foliage and rich-colored orchid-like fragrant flowers; they require sandy loam.

Persicum Giganteum.—A great improvement over the old sorts; each flower measures from two to two and one half inches in length.

Mont Blanc.—Pure white. **Dark Blood Red.** White with Carmine Eye. **Rosa von Marienthal.**—Day-break pink. **Magnificum.**—White spotted and flaked red. **Giant Flowered Cyclamen in finest mixture.**

Per packet 5c

Daisy. (Perennial).—An old favorite which scarcely needs description. In bloom from April to June.

White, Deep Rose. Per packet 10c

Shasta Daisy.—A magnificent hardy perennial of the easiest culture. The seeds should be sown early. Bears immense flowers of purest white, on long wiry stems. Splendid cut flowers of good lasting qualities. (See illustration plate VII.)

Per packet 10c

Chrysanthemum.
(Continued.)

Frutescens.—Known also as "Marguerite" or *Paris Daisy*. Very popular with florists. Large, white, star-shaped flowers. Two to three feet. Per packet 5c

Japanese Chrysanthemums.—If seed is sown in February or March the plants will bloom profusely next fall. Magnificent, enormous flowers in finest varieties. Per packet 10c

CINERARIA. A very pretty genus of plants, growing from one to three feet high. The flowers are of wondrous beauty, being brilliantly colored.

Hybrida Grandiflora.—(Large flowered). Per packet 25c

Bedding Cinerarias.—These are perennials and have silvery foliage.

Maritima Candidissima.—White foliage; compact habit. Per packet 5c

COLEUS.—Highly ornamental foliage plants in an endless variety of colors and shadings, indispensable for ribbon and carpet bedding, or as single specimens. Height, one to two feet.

Per packt 15c

Tricolor.—Beautiful rose-colored flowers with pure white center, fringed with purple and shading toward golden yellow. Per packet 5c

CYCLAMEN. Charming bulbous-rooted plants, with beautiful foliage and rich-colored orchid-like fragrant flowers; they require sandy loam.

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Per packet 10c



CYCLAMEN.



GIANT CALIFORNIA COSMOS.



CYPERUS.

red with white, double dark blood-red, double dwarf pink, double dwarf dark blood-red. Separate colors or mixed.

DIANTHUS. Chinese Pinks.—

—One of the most useful and desirable plants and for beauty and variety of colors and markings cannot be surpassed.

Double white, double spotted, double striped, white with red, (See illustration page 42.)

Per packet 5c

HEDDIWIGGI ANNUAL PINKS. Eastern Queen.—Beautiful marbled; single.

Crimson Belle.—Is of rich, vivid crimson color, single.

Double Striped.—White striped with carmine.

Double Dwarf Pink.—

Double Dwarf White.—

Laciniatus fl. pl.—Double giant-flowering, beautifully colored Pinks; fringed flowers.

Separate colors and mixed. Per packet 5c

Hardy Perennial Pinks. *Plumarius fl. Pleno.*—

Pheasant's Eye Pink, with fringed edges, of various colors, mixed.

Per packet 5c

EVERLASTING FLOWERS.

AMMOBIUM.—A favorite everlasting with white flowers; cut before fully open.

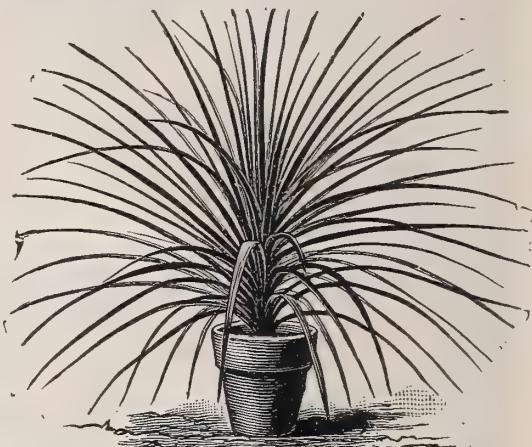
Per packet 5c

Globe Amaranth. *Gomphrena Globosa.*—Large cloverlike heads of flowers.

Per packet 5c.

Helichrysum.—Showy summer blooming plants, flowers large and double; in shades of white, yellow, crimson, etc.

Per packet 5c



DRACAENA.

ESCHSCHOLTZIA OR CALIFORNIA POPPY.

New California Poppy.—“**Rosy Morn.**”—A distinct new shade, producing flowers of a form hitherto unknown in the Eschscholtzia species. The rosy white petals are delicately channelled or fluted with tiny folds radiating from the center and richly adorned with a soft primrose yellow hue, enhancing the beauty of this charming flower.



ROSY MORN.

Bush Eschscholtzia or Hunnemania.—The plants grow into a shrubby bush, 2 feet high, and produce large cup-shaped flowers 3 inches across on stems 12 inches long. The color is of clear, bright yellow, the petals are broad and crinkled, like crushed satin. The flowers keep in water for two weeks.

Per packet 5c



HUNNEMANNIA.

Eschscholtzia or **California Poppy**.—Richly colored flowers, leaves finely cut; ten or twelve inches high, very showy. Bright Yellow, Double White, Pink, Striped, Deep Orange, Carmine. Per packet 5c

FEVERFEW (Pyrethrum.)—This family contains the well-known "Golden Feather," a low growing plant with yellow foliage for ribbons, beds and edgings.

Yellow Curled Foliage.—
Matricaria-Double White Flowers.— } Per packet 5c

Forget-Me-Not. *Myosotis*.—Succeed best in a damp, shaded situation, but will thrive well in any garden soil. Height six inches.

Palustris Semperflorens.—(Ever-flowering.) Blooms continually from spring to fall. Per packet 5c

Dissitiflora.—Large sky-blue flowers; very early. Per packet 5c

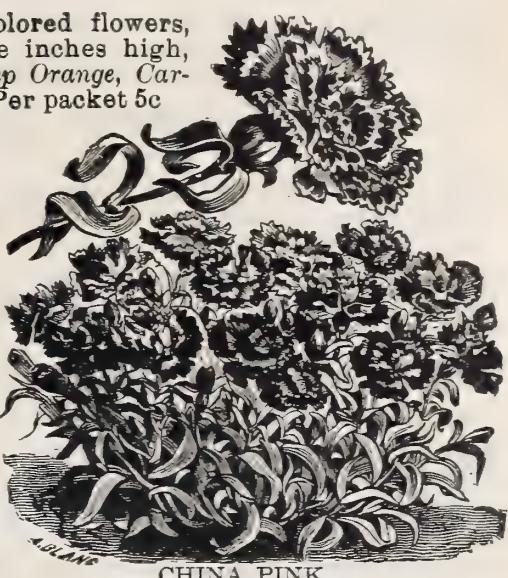
Victoria.—Grows perfectly round in shape; covered with large umbel-shaped flowers of azure blue, remaining in bloom a long time. Per packet 5c.

Four O'clock. Large growing, shrublike plants with funnel-shaped flowers of many colors. They derive their name from their curious habit of expanding in the afternoon. Height, two feet. **Many Varieties Mixed.** Per packet 5c



GAILLARDIA LORENZIANA.

pink, center spotted dark red. **The Bride.**—White, crimson center. **Whitnyle.**—Splendid white with dark red tops. Per packet 5c



CHINA PINK.

GAILLARDIA. Exceedingly showy; produces large flowers of scarlet, white and yellow, borne freely throughout the summer

Amblyodon.—Carmine with dark center. **Lanceolata.**—

Yellow and brown. **Lorenziana.**—Double varieties mixed.

Picta.—Red, with narrow yellow border. **Picta Fistulosa.**—

—Quilled. **Josephus.**—Beautiful, large flower with

broad yellow border. **Marginata.**—Red, with narrow

white border. **Mixed.** Per packet 5c

GODETIA. Desirable garden flowers; very free blooming; succeed in any soil.

Bijou.—Splendid white with dark red spots. **Brilliant.**—Bright scarlet. **Dark Bloodred.** **Duchess of Albany.**—

Glossy satiny white. **Lady Albemarle.**—Large carmine crimson; edges of petals suffused with pale lilac.

Lady Satin Rose.—Brilliant rosy-pink, the surface shining like satin. **Princess Henry.**—Pink with large carmine spots. **Princess of Wales.**—Bright red. **Rosea Alba.**—

Dwarf white and pink. **Rubicunda Splendens.**—Bright Mixed.— **Weisse Perle.**—Pure white. Per packet 5c



GODETIA

GLOXINIA. A magnificent class of house-blooming, bulbous plants, with handsome bell-shaped flowers in a diversity of the richest colors. Our mixture contains the finest strains and will produce the most beautiful flowers. Per packet 25c

HELIANTHUS (Sunflower.) **Nanus fl. pl. Dwarf Double Yellow.**—A dwarf variety, flowers very double, rich and golden yellow. Excellent cut flowers. Per packet 5c

Stella.—Well branched and bushy and attains a height of about three feet. Covered with finely formed flowers, about three inches across, of golden yellow, with black disc, and borne on long stems, which rise well above foliage. Per packet 5c

Helianthus Cucumerifolius "Orion."—A sport of "Stella." It has all the good qualities of "Stella," but the petals of the flower are twisted, so that it reminds one of the flower of a yellow colored single Cactus-Dahlia. Per packet 5c

HIBISCUS AFRICANUS.—A branching plant of the easiest culture, with rather pretty foliage and large exceedingly showy cream colored blossoms, purple in the center; two feet high. Per packet 5c

HOLLYHOCK. (*Althaea Rosea*.)—An old fashioned favorite, which should be sown in June or July to have flowering plants the next summer, or if sown in the house early in spring they will bloom the first year. Height, four to six feet. Good Mixed. Per packet 5c

Chater's Prize. Seed saved from the finest English strain; will produce extremely large and double flowers. Pure white, yellow crimson, scarlet, pink, cherry, and white. Per packet 15c

Charter's Best Mixed.—Per packet 10c

HELIOTROPE.—Deliciously fragrant flowering plants, great favorites for pot culture in winter or bedding out in summer; large umbels of purple, lilac or white flowers are continually borne. Finest mixed. Per packet 5c

ICE PLANT.—Suitable for rock work, hanging baskets, etc., foliage thick and fleshy and of a frosted wax-like appearance.

Crystallinum.—Pink flowers. Per packet 5c

Tricolor.—Three-colored. Per packet 5c.

LARKSPUR. Very showy plants with pretty flower spikes; free bloomers; should be sown in fall or early in spring.

Double Dwarf Hyacinth Flowered.—Finest Mixed; 1½ feet. Pkt 5c

Perennial Larkspur.—These are valuable plants for the permanent bed or border, furnishing an ample supply of flowers.

New Chinese Larkspur.—A perennial plant of great beauty. The plants produce a great number of handsome blue flowers on wiry stems. Being a hardy perennial, the plants increase in size with age. Per packet 5c

Grandiflorum Flore Pleno.—Flowers large and double. A splendid cut-flower and ornamental plant. Many shades of color in finest mixture. Per packet 5c

Linum, Flowering Flax.—Scarlet; very attractive bedding plants. Per packet 5c



HELIOTROPE.

LOBELIA. A dwarf plant with delicate, graceful foliage and pretty fine flowers. Of value chiefly for hanging baskets and border work.

Erinus Gracilis.—Best for hanging baskets. Per packet 5c

Erinus Erecta Speciosa.—(*Emperor William*.)—Dark blue, white eye. Dwarf. Per packet 5c

CRYSTAL PALACE. (*Compacta*.)—Deep blue, dark foliage, fine bedder, 6 inches. Per packet 5c

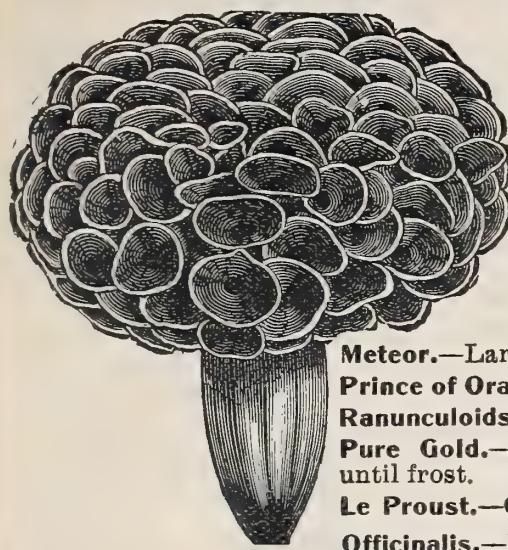
LUPINUS. (*Sun Dials*.)—Desirable bedding plants with long, graceful flower spikes, bearing richly-colored pea-shaped flowers. Per packet 5c

MIMOSA. **Sensitive Plant.**—A most interesting little plant, being so sensitive that a touch from the hand will instantly cause the leaves to fold up. When the hand is removed they will unfold again in a few moments. Small pink flowers. Per packet 5c

MIMULUS. **Moshatus.** (*Musk Plant*.)—The thin, delicate leaves emit a delicate musk odor. Per packet 5c



LOBELIA.



MARIGOLD. *Tagetes*. —A class of showy and extremely effective flowers of rich and beautiful colors

Fistulosa. —Sulphur yellow quilled.	Per packet 5c
Faviflora. —Brown.	Per packet 5c
Striata. —Double Striped.	Per packet 5c
Gold Striped, Dwarf. Maroon tipped gold.	Packet 5c

CALENDULA. Pot Marigold.

Pongel fl. pl. —Double white.	Per packet 5c
Meteor. —Large double yellow flowers, striped with orange.	Packet 5c
Prince of Orange. —Similar to "Meteor," but much darker.	Packet 5c
Ranunculoids fl. pl. —Double orange.	Per packet 5c
Pure Gold. —Pure golden yellow; large double flowers, borne profusely until frost.	Per packet 5c
Le Proust. —Orange yellow, very double.	Per packet 5c
Officinalis. —Large flowering, extra double; MARIGOLD. deep scarlet.	Per packet 5c

MIGNONETTE. (*Reseda Odorata*.)—A well known annual, with spikes of deliciously fragrant flowers. Indispensable in every garden.

Golden Queen. —Dwarf; golden yellow spikes.	Per packet 5c
Odorata. —Sweet scented.	Per packet 5c
Odorata Grandiflora. —Very large flowered.	Packet 5c, ounce 15c

Machet.—Undoubtedly the best Mignonette yet sent out. The dwarf and vigorous plants are of pyramidal growth, producing very thick, stout flower stalks, throwing up numerous dark green leaves, which terminate in long, broad spikes of deliciously scented red flowers. It is the best sort for pot culture. Per ounce 50c, packet 10c

Goliath.—Giant trusses of flowers of pure bright red color. Compact growth, rich green foliage. Excellent for cutting or pot plants. Per packet 10c

New Mignonette Machet "Ruby."—A variety of Machet Mignonette showing the same compact habit of growth as the older sort, while its large, extremely thick flower spikes are of bright copper-scarlet color, such as has never yet been produced in any other existing Mignonette. Per packet 10c

Allen's Defiance.—Full, round spikes of great length; very fragrant and fine for cutting. Per packet 5c

NASTURTIUMS. The dwarf varieties of Nasturtiums are among the most useful and beautiful of annuals for bedding, massing, etc., owing to their compact growth, richness of color and profusion of bloom.

TROPHAEOLUM. The tall sorts are admirably adapted for rock work. They flower most profusely when planted in poor soil, and remain in bloom a long time; stand heat and drought without the slightest effect. The seed, if picked young is an excellent substitute for capers



MIGNONETTE "GOLIATH."

Dwarf Varieties.

Aurora.—Deep chrome yellow, the two lower petals blotched and veined carmine.

Atrococcineum.—Deep scarlet, very pretty.

Beauty.—Canary, splashed scarlet.

Crystal Palace Gem.—Sulphur yellow with maroon spots.

Cattel's Crimson.—Deep crimson.

Dwarf Nasturtium "Chamaeleon."—This strain is remarkably dwarf. Its flowers present many attractive colors and markings and are carried well above the foliage. The same general description applies to this as well as to the tall variety. Per packet 5c, ounce 20c

Empress of India.—Splendid variety, with very dark leaves and crimson flowers.

Golden King.—Brilliant yellow, dark foliage.

King Theodor.—Dark green foliage, flowers velvety, almost black.

King of Tom Thumbs.—Intense scarlet flowers and dark foliage.

Prince Henry.—Beautiful golden-yellow, spotted and marbled with brilliant scarlet, which in combination with the dark green foliage presents a striking appearance.

Pearl.—Creamy white.

Roseum.—Pink.

Spotted King.—Yellow splashed with brown; very handsome.

Dallwig's Special Mixture of Dwarf Nasturtiums.

All the above named sorts in even mixture, put up by ourselves; will furnish the most beautiful bed. Per packet 5c, ounce 15c, $\frac{1}{2}$ pound 40c

CLIMBING NASTURTIUMS.

Brilliant Fulgens.—Dark scarlet with dark green leaves.

Coccineum Multiflorum.—Scarlet.

Crown Prince of Prussia.—Brilliant dark blood red.

Flammulum Grandiflorum.—Scarlet, splashed with yellow.

Tall Nasturtium "Chameleon."—It is unique in bearing flowers of quite distinct colorings on one and the same plant—some clear, deep crimson, others blotched on light ground and others beautifully mottled. The tall variety, with its very large rich flowers in the greatest variety, is unsurpassed for training over fences and trellises, and blooms with the greatest freedom the entire season.

Per packet 5c, ounce 20c

Hookeri.—Dark yellow, spotted brown.

New Climbing Nasturtium, Mad. Gunther's Hybrids.

—For richness and variety of colors these new hybrids have no equals among Nasturtiums. There are shades of rose, salmon, brightest red, pale yellow, either as self-colors or spotted and striped. The foliage is mostly dark and contrasts very effectively with the rich colors. They are climbers and free and continuous bloomers. It is impossible to describe all the different colors. It contains a great many colors that are not found in any other mixtures. Per packet 5c, ounce 15c

King of Blacks.—Almost black.

Lucifer.—Deep scarlet with dark foliage.

Mercier Lacombe.—Reddish-brown.

Spitfire.—Bright red.

Sulphureum.—Sulphur-yellow.

Triomph D'Hyeres.—Bright scarlet.

Dallwig's Special Mixture of Tall Nasturtiums.

NASTURTIUMS, MAD. GUNTHER'S HYBRIDS.

PANSY.

It is needless to say anything in praise of this universal favorite. Pansy seed is a specialty with us and we have not only the finest collection of varieties but also the very best seed of each variety.

Dallwig's Large Flowering Pansies.

While the Giant-Flowered Pansies are great favorites on account of the immense size of their flowers, Dallwig's Large-Flowered Pansies excel in their endless variety of color, combined with perfection of form and velvety texture and substance of their petals. This strain is from a specialist who has devoted his life to the improvement of these flowers: no better strain is to be had. It is impossible to describe them, as they embrace all colors and markings.

President Carnot.—**Auricula Colored.**—

(New.)—Ground color white; each petal almost covered with a deep rich

velvety blotch of dark violet blue, leaving a broad white margin.

Dark Purplish-Violet.

Dark Bloodred.—

Golden Gem.—Yellow.

Dark Purplish Violet, with white edge.

Quadricolor.—One of the prettiest: upper petals sky blue, edged with violet; lower petals spotted and marbled.

Cardinal.—

Fuerst Bismarck.—

Bronze marbled.

Yellow with Center.

Striped.—Extra.

Gold Margined.—Most distinct.

Light Blue.—

Sky Blue edged White.

Emperor William.—Ultra-marine blue with dark center.

Victoria.—Bright red; new.

Mahogany Colors.

Meteor.—Brownish red.

Lord Beaconsfield.—Purple-violet with white; very effective.

King of Blacks.—

Dr. Faust.—Jet black with satiny gloss.

Purple Margined Gold.—

Rubra.—Splendid reds.

Large Flowering Pansies. (Continued.)

Peacock.—Upper and lower petals royal purple, shot with peacock blue; coloring truly beautiful.

Violet Blue.— **Purple Margined White.**—
Violet with White Border. White, Spotted Center.—

Dallwig's Large Flowering in Splendid Mixture.
Per packet 5c, ounce \$1.25

GIANT PANSY.

The term "GIANT PANSIES" does not adequately describe these new strains, for aside from the enormous size which gives them their name, their colorings are simply superb and their form and substance perfect.

Giant Trimardeau Improved.—A greatly improved strain. Flowers of immense size and larger variety of colors than are generally offered under that name. We offer the following colors:—

Giant Emperor William.—Color splendid ultra-marine blue with purple-violet eye.

Giant Adonis.—Magnificent light blue with white centre.

Giant Auricula Colors.—Of especially good substance and beautiful shadings of copper and mahogany colors.

Giant Yellow with dark center. **Giant Striped.**

Giant White Ground, Marbled. **Giant King of Blacks.**

Giant Violet Blue. **Giant White, Spotted Center.**

GIANT TRIMARDEAU IN BEST MIXTURE. All the above colors and shades.



NEW PANSY "MASTERPIECE."

Giant Golden Gem.—Clear golden yellow.

Giant Snow Queen.—Pure white.

GIANT ODIER. Flowers large, spotted on each petal. Splendid mixture.

Per packet 10c, ounce \$2.50

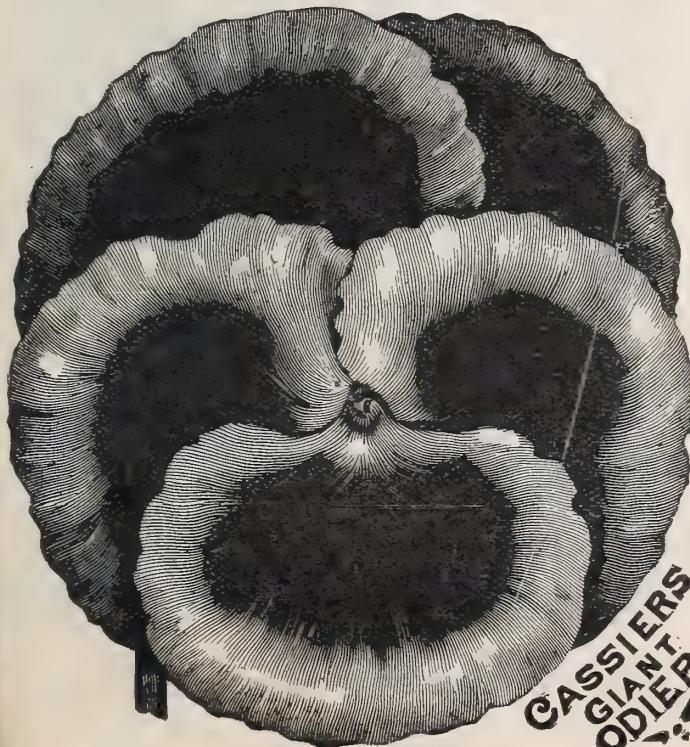
Per packet 10c, ounce \$4.00.

GIANT CASSIER.—This is a very fine mixture of Pansies with three or five blotches on rich backgrounds. The flowers are very large, round and borne on stiff stalks emerging from bushy, compact plants. This mixture contains a great many red shades.

Per packet 10c, ounce \$4.00

GIANT BUGNOT.—Flowers of enormous size and the most circular form; the petals are of great substance and velvety appearance, each one bearing a large, deeply colored blotch that runs out in delicate veins to the edge; the shadings are wonderfully rich and comprise tints of red, bronze and reddish brown that are not to be found in any other mixture.

Per packet 10c, ounce \$5.00



"Triumph of the Giants".—The plants of this novelty, which in every respect surpasses anything heretofore offered in Pansies, distinguish themselves by their robust, compact growth and enormous, five-spotted, perfectly round flowers of unusual substance. In most of the flowers the border of each petal is conspicuously undulated and curled. The beauty, brilliancy and richness of color are most striking; many rare and new tones of red and brown will be noted.

Per packet 15c

"Masterpiece."—The margin of each petal is conspicuously undulated and curled. The flowers are of extremely large size, borne well above the foliage on strong stems.

Per packet 15c

GIANT HORTENSIA.—New magnificent pink. Color of Hydrangia.

Per packet 15c

Dallwig's Giant Pansy Mixture.

This mixture comprises all of the above strains and varieties of Giant Pansies in most satisfactory proportion of colors.

Per packet 15c, 2 for 25c, ounce \$3.50



PANSIES—Triumph of the Giants.



DOUBLE FRINGED PETUNIAS.



NEW STAR PETUNIAS.



CELESTIAL PEPPER.

PETUNIA.—For freedom of bloom, variety of colors, ease of culture and effectiveness these rank with the Asters, Phlox and Verbenas. If only a little care is bestowed upon them, Petunias will produce their handsome, sweet-scented flowers in their delicate and gorgeous colors throughout the whole summer.

Fine Hybrids, Mixed.

Large Flowering, Single Petunias.— Per packet 5c
 " " " **Fringed.**— Per packet 10c
 " " " **Double Fringed.**— Per packet 15c

New Star Petunia.—Ground color dark crimson maroon, with violet veinings. The star is a very light blue pink, some almost white, which deepens in color as it reaches the margin, and finally blends with the maroon ground color. Per packet 15c

PHLOX.—Invaluable for bedding, masses and cut flowers, bright colors, which vary from the purest snow white to the deepest blood red. There is no annual which can compare for beauty, duration of bloom, brilliancy of colors and usefulness to the Phlox.



PHLOX.

superior to the other **Phloxes** for ribbon bedding or borders. The plants grow very symmetrical in neat little bushes, about 8 inches high. Per packet 5c

Graf Gero.—Dwarf; adapted to pot culture. Florists' sort. Per packet 10c

Hardy Phlox.—They are perfectly hardy and need no protection; will grow in any soil, but succeed best in deep, rich, rather moist ground. Their handsome trusses of flowers are very showy and last a long time. Best large flowering, newest varieties mixed. (See plate XI.) Per packet 5c

CHRISTMAS OR CELESTIAL PEPPER.—One of the very best introductions in berried plants. The plants are covered with bright colored cone-shaped fruit at Christmas. Per packet 10c

PERILLA. Handsome foliage plants, 18 inches high, with ornamental bronze red leaves, very effective for ribboning.

Nankinensis Atro. Laciniatis.—Deep mulberry foliage; edges finely cut. Per packet 5c

Nankinensis Macrophylla Compacta.—Finely cut, copper-brown foliage, with green background of metallic lustre; dwarf. Per packet 5c



PETUNIA.

Phlox Drummondii.—Many colors mixed. Packet 5c, ounce 50c
Large-Flowering Phlox.—Produce flowers twice the size of the common, with the most brilliant colors imaginable.

Alba.—Pure white; extra large. Per packet 5c
Coccinea.—Bright red. Per packet 5c
Atropurpurea.—Deep red. Per packet 5c
Fine Mixed. Per packet 5c

Fimbriata. Fringed.—The petals are beautifully imbricated, giving the flower a regular starlike form, whose beauty is improved by broad, white margins. All colors. Per packet 5c

Star of Quedlinburg.—The center petals, which are five in number, are elongated from four to five times the length of the lateral ones. Distinct and star-like. Per packet 5c

Dwarf Phlox. (Phlox Drummondii Nana Compacta.)—These are much superior to the other **Phloxes** for ribbon bedding or borders. The plants grow very symmetrical in neat little bushes, about 8 inches high. Per packet 5c

PHLOX—
Star of
Quedlinburg

**Old-Fashioned
Hardy Flowers**

Were never more popular than now. See our List in this Catalog. :: :: :: ::



提

PHYSALIS.

Miss Sherwood.—Bears profusely large single flowers of a satiny white, upper half of corolla being a silky chamois rose; a combination of rare delicacy.

Per packet 5c

Danebrog.—Fine single poppy, flowers scarlet, with white spot on the base of the petals. Packet 5c

DOUBLE.

Paeony Flowered Double.—Flowers in size and color equal to Paeonies.

Double Paeony Flowered.—Scarlet. Packet 5c
" " " —Pink. Packet 5c
" " " —Mixed. Packet 5c

Mikado.—Pure white at the back, the fringed edges brilliant scarlet.

Per packet 5c

HARDY POPPIES.

Oriental Poppy.—Unequalled in brilliancy of colors. Flowers very large and range from soft flesh and rose to the most brilliant, dazzling scarlet and richest maroon purple. Perfectly hardy. Mixed. (See plate XI.)

Per packet 5c

Oriental Poppy.—Scarlet.

Per packet 5c

Iceland Poppy. (Nudicaule.)—These Poppies are perfectly hardy and produce in endless profusion flowers which are most useful for cutting. They are of a very graceful, neat habit with slender stalks about 12 inches in height, surmounted by yellow, white, or orange-scarlet flowers.



SHIRLEY POPPY

Santa Rosa Poppy.—A new strain of Shirley Poppies, originated and improved by Luther Burbank. Combines all the delicate beauty in color of the original Shirley and Shirley types, and with these the whole flower in all of its petals is beautifully crimped.

Packet 5c

Dallwig's Special Poppy Mixture.—Comprises all the single and double annual Poppies described above, making a splendid color display.

Per packet 5c

See also **Eschscholtzia** or **California Poppy**, pages 41 and 42.

PORTULACA.—

(*Moss Rose*.)—For brilliant, beautiful and delicate flowers these lovely plants have no equal. Grows in a dry hot situation, where any other plant would soon die.

Single Mixed.—

Ounce 35c, packet 5c

Double Mixed.—

Per packet 10c



PORTULACCA.

PRIMROSE.—**Chinese Primroses** are lovely and useful little plants for pot culture, that bloom most freely during winter and spring. Sow in February or March in very fine light soil. Pot into small pots, shift two or three times during the summer and keep in a cool, moist, shady place and success is sure. Our Primula seed is from the best European growers. We furnish florists largely with our strain and it gives satisfaction to everybody.

Single, large flowering fringed Chinese.

Per packet 15c

Primula Obconica, New Large Flowering.—An everblooming Primrose which blooms during eight months of the year. Flowers borne on stems about nine inches high. If sown in March will bloom in June. It is one of the most useful pot plants for the window, and if planted out

makes a very attractive border plant. White, lilac or mixed.

Per packet 10c

"BABY PRIM-

ROSE." (*Primula*

Forbesi).—The illustration shows the great freedom with which it bears its flowers. They are of a delicate rose color and they keep fresh for a long time after cutting. The seed comes up very readily, and the little plants throw up tiny flower stalks when only a few weeks old. These, however, should be pinched off, and the plants kept growing for some weeks when the flowers may be allowed to develop, and from then on they produce their sprays of beautiful flowers in seemingly never ending profusion.

Per packet 10c



BABY PRIMROSE.



RICINUS—Plant and Seed.

Zanzibariensis.—Ten to fifteen feet high and the leaves measure about thirty inches across and in different plants range from bright green with green stems to deep bronze with dark red stems, all having a brilliant luster.

Per packet 5c

Rudbeckia Bicolor Superba.

One of the brightest and most showy plants. The plant is quite compact, and produces numerous long stems, laden with beautiful, large, yellow flowers, with brown center. Very valuable as a cut flower.

Per packet 5c

SNAPDRAGON.

(*Antirrhinum*).—Beautiful spikes of colored flowers, produced all summer. We offer only the best varieties.

Tom Thumb.—Dwarf growing; one foot. Mixed colors. Per packet 5c

Half High.—Mixed. Per packet 5c

"Queen Victoria."—In this splendid new variety are combined elegant, finely cut foliage with unusually large flowers of a brilliant white, borne in great profusion, on long and graceful stalks; will furnish splendid material for bouquets. Per packet 10c



CHINESE FRINGED PRIMROSE.

SALPIGLOSSIS.

of the flowers somewhat similar to the Petunia and embraces a great variety of rich colors.

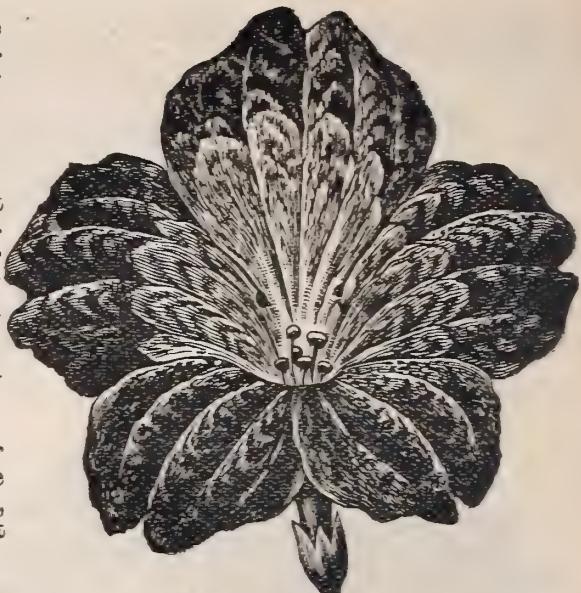
Fine Mixed, from named sorts.— Per packet 5c

SALVIA. (*Flowering Sage*.)—It is one of the most desirable plants for decorative purposes, if planted either singly, in groups, or with other plants. The flowers are of the most brilliant, dazzling scarlet, produced in endless profusion and until late in the fall.

Salvia Splendens.—Bright scarlet; large flowering; very fine. Per packet 5c

Salvia, Clara Bedman. (*Bonfire.*)—Handsome globular bushes about 2 feet high by one foot in diameter. The spikes grow erect and stand clear above the foliage, completely covering the plant and are of a most brilliant dazzling scarlet. Per packet 10¢

Salvia Coccinea.—Deep crimson, dwarf. Packet 5c



SALPIGLOSSIS.



SALVIA SPLENDENS.

**Purple, Cherry and White,
Mixed.**

SNOWBALL SCABIOSA.—The flowers of this new

Lilac, Lilac,
Per packet 5c

Scabiosa areolaris

measuring fully 2 inches.

in diameter, of purest white and very double. The stems are very strong and the foliage luxuriant. Fine for vases and bouquets.

SEDUM. Stonecrop.

—A useful dwarf plant for rockwork baskets. Flowers star-shaped. Mixed. Per packet 5c

SILENE. *Catchfly.*—
Bedding plants of dwarf
growth and covered
with bright, red-colored
flowers. Height, one foot.

SWEET WILLIAM.—The Sweet Williams are generally sown in August or September, but may also be sown in the spring.

Large Flowering.—Single Mixed.

“ “ Double “ Per packet 5c



SWEET WILLIAM.



SCABIOSA.

Per packet 5c

SWEET PEAS.

Everyone who Cultivates Flowers Should Plant Sweet Peas. Our List Includes all of the Best Varieties Both Old and New.

FOREMOST IN EASE OF CULTURE. MOST VARIED IN BOUNTEOUS TINTS. FRAGRANT AS ANY FLOWER.

The Sweet Pea is one of the most popular flowers in cultivation and numbers among its enthusiastic admirers thousands of skilled cultivators. It is a free flowering climber and considered one of the best annuals that enrich the flower garden. Early in spring make a trench about six inches deep in rich, mellow, but not light soil, so arranged that no water can stand in it, and plant the seed in the bottom, taking care not to cover it more than two inches. When the plants are about five inches high, fill up the trench and furnish some support for the vines to run upon. The flowers should be picked before they form pods, or the plants will soon stop flowering.



Blanche Bur-pee.—Pure white, large. Per ounce 10c

Emily Henderson.—A fine pure white, early and free flowering. Per ounce 8c

Mont Blanc.—Large pure white. Valuable for forcing. Oz. 15c

The Bride.—Large pure white. Per ounce 10c

Josephine White.—Like Emily Henderson, but earlier and longer stemmed. A most profitable sort for growing under glass. Per ounce 15c

Stella Morse.—Primrose, tinged blush. Per ounce 10c

Primrose.—Pale primrose-yellow color. Per ounce 8c

Hon. F. Bouverie.—The finest of all soft pinks. Pinkish-salmon at base, shading lighter at edges. Per ounce 10c

Katherine Tracy.—Brilliant pink. Very large and graceful flowers. Per ounce 10c

Prima Donna.—A beautiful shade of light blush pink. A large perfect flower. Takes first place among pinks. Per ounce 10c

Lovely.—A shade deeper than *Prima Donna*. The most beautiful soft shell-pink. Grand flowers of large size. Per ounce 10c

Pink Friar.—Soft carmine rose on a crystalline white ground. Per ounce 10c

Blushing Beauty.—Extra large; rich soft pink. Per ounce 8c

Mrs. Dugdale.—Crimson rose, suffused primrose. Ounce 10c

Lady Penzance.—Rare tint of delicate rose, large and well formed. The silken thread-like lacing adding to their elegance. Per ounce 10c

Coccinea.—Beautiful, brilliant cerise. Per ounce 15c

Salopian.—Large size, rich, deep, glowing crimson tinged with orange scarlet. Per ounce 10c

Brilliant.—Rich bright scarlet. As intense as Firefly and slightly larger. Per ounce 10c

Firefly.—Standard fiery scarlet, wings crimson scarlet, very large. Per ounce 10c

"Navy Blue."—The only Sweet Pea that is of a **true blue** color. General color-effect dark blue; standards brilliant royal purple; wings pure violet; the whole flower elegantly veined in sharp relief. Per ounce 15c

SWEET PEAS.

Continued.

Captain of the Blues. —Vigorous, a fine bloomer, large flowering. Oz. 10c	
New Countess. —Pale lavender; pure.	Per ounce 10c
Lady Nina Balfour. —A delicate mauve. Its texture throughout is very fine, even-grained. Without luster, giving it that soft, "quiet" effect which is so pleasing a contrast to the brilliant and glossy shadings.	Per ounce 10c
Lady Grisel Hamilton. —New. Most attractive light lavender standard, with azure-blue wings: <i>extra large in size</i> . Larger and superior to the famous "New Countess." The wings are of a lighter shade, which gives it even a dainties character.	Per packet 5c, ounce 15c
Gorgeous. —Standard bright orange, wings bright orange rose. Very bright and showy. Ounce 15c	
Dorothy Tennant. —A rich shade of rosy mauve. Flowers of large size.	Per ounce 10c
Shazahda. —Standard strong purplish maroon without luster, veined in deep relief. Wings a velvety indigo-purple.	Wings a velvety Per ounce 10c

BLENDINGS.

Countess Cadogan. —Reddish mauve standard; wings violet blue.	Per ounce 10c	Orange Prince. —Bright orange-pink, flushed scarlet; wings rich rose veined with pink.
Venus. —Delicate. A mingling of pink, salmon and rose-bluff, difficult to describe faithfully.	Per ounce 8c	Per ounce 8c
Lemon Queen. —Blush pink and lemon. Oz. 8c		Lottie Eckford. —Suffused and narrowly edged with lavender on white ground. Oz. 10c
Apple Blossom. —Standards flaked and suffused with a delicate rose; wings lightly blushed.	Per ounce 8c	Butterfly. —Edged like Lottie Eckford, but showing less tint in standard and wings. Ounce 8c
		Fairy Queen. —Penciled effect. White with fine lines of carmine on the standard. Per ounce 8c

CONTRASTING SHADES.

Earliest of All. —Blossoms like Extra Early Blanche Ferry, but earlier.	Per ounce 10c
Extra Early Blanche Ferry. —Of greatest value for cut flowers, being 10 days earlier, dwarfer and a more prolific bloomer than the original Blanche Ferry. Deep rose pink, with white wings. Oz. 10c	
Blanche Ferry. —Very striking, pink and white.	Per ounce 8c

VARIEGATED SORTS.

Aurora. —Rich bright orange stripes and flakings on a white ground.	Per ounce 10c	and with its fine speckled "pepper and salt" variegations certainly odd and attractive. Oz. 10c
Gaiety. —Bright and lively stripes of rosy lilac on white ground.	Per ounce 10c	Daybreak. —Delicate veinings of bright scarlet-lake and carmine finely woven into narrow, wavy rays on white ground. Per ounce 10c
Ramona. —Creamy white, daintily splashed with pale pink.	Per ounce 10c	Columbia. —A tricolored variegated variety, odd and attractive in its markings. Standards crimson-rose striped on white ground, wings pale bluish-mauve, striped on white ground Oz. 10c
Gray Friar. —Speckled effect. A light watered purple on white ground. General effect gray,		

All Above Varieties 5 Cents Per Packet.

Choice Mixed. —	Per ounce 5c, $\frac{1}{2}$ pound 15c, pound 50c
Extra Choice Mixed. —Put up by ourselves. All first-class colors of grandiflora type in royal mixture.	Per packet 5c, ounce 8c, $\frac{1}{2}$ pound 20c, pound 60c
"Dallwigs Best Mixed." —This mixture of Sweet Peas in undoubtedly the finest ever offered. It contains only the best named varieties of the large flowering type. The seed of each has been grown separately and only the <i>largest-flowered, most beautiful</i> Sweet Peas have been selected and mixed by ourselves. We can assure all lovers of Sweet Peas that in no other blend is it possible to obtain " only the best " and all the best of the new large-flowering Sweet Peas as in this unequalled mixture, "Dallwig's Best."	Per packet 5c, ounce 10c, $\frac{1}{2}$ pound 25c, pound 75c

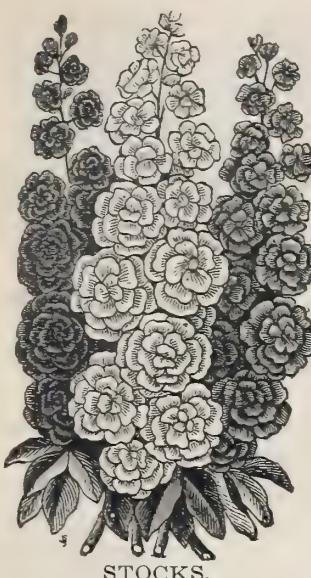
CUPID SWEET PEAS. —The plant does not grow over six to eight inches high nor cover a space of more than fifteen inches across. Well adapted for borders and for bedding. They are wonderfully free bloomers and will be found very valuable for cutting, each of the flowers on one stem coming to bloom at the same time. Makes a most attractive pot-plant.	
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Best Mixed.—Packet 5c, ounce 10c, $\frac{1}{2}$ pound 25c

For new Sweet Peas see Novelty Pages.

STOCKS. These are among the best and most popular of the garden favorites. In brilliancy of color and general effect they are unsurpassed.	
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Large Flowering Wallflower-Leaved. —Dark bloodred, porcelain blue, canary yellow, crimson, pure white.	Packet 5c,
Large Flowered Pyramidal Stock, "Princess May". —(Wallflower-Leaved.) Fine, large, double flowers, pure yellow. Forms a compact pyramid, bearing flowers one and one-half inches across. Highly recommended. (See illustration next page.)	Packet 10c



STOCKS.

its dazzling brilliancy of flower; of very neat habit, a constant bloomer.

Pure White, Scarlet, Dark Blue, Blue with White Eye, Striped, Dark Bloodred,

Auricula Flowered, large umbels of white-eyed flowers.

Defiance, Rich Scarlet, Mixed Colors.

Dwarf Defiance.—Bright scarlet. Per ounce \$1.25, packet 5c

Dwarf Bloodred.— Per packet 10c

Mammoth.—Extra large-flowering in splendid mixture. Seed saved from perfect flowers only. Packet 10c

VINCA.—Ornamental free-blooming plants; seed must be sown early and then the plants will bloom the first summer. They can be taken up in the fall like Chrysanthemums, potted and kept in bloom throughout the winter. Mixed colors. Per packet 5c

VIOLA. **Violet.**—There is probably no plant that can equal the Sweet Violet for delicate and delicious fragrance. It always has been and always will be a prime favorite. Unsurpassed for planting in borders

where the situation is rather moist and shady. They bloom freely and give unending delight with their beauty and fragrance.

Semperflorens Blue.—Everblooming, sweet scented. Per packet 5c

The Czar.—Large flowering, blue. Per packet 5c

Wall Flower. The conspicuous spikes of the double German varieties have a charming effect while the more bushy, compact growth and profuse blooming of the single ones render them exceedingly attractive. Half hardy perennials.

Finest Double.—Two feet. Yellow and brown. Per packet 5c

Single Mixed. Per packet 5c

ZEA JAPONICA.—A variety of corn with ornamental foliage; leaves green and white. Half hardy annual; six feet high. Pkt. 5c



VERBENA.

Cut and Come Again.—Blooms perpetually until fall. Crimson, white, dark-blue, flesh-color, reddish-brown, crimson-purple. **Mixed.** Per packet 5c

MAMMOTH WHITE COLUMN. **Snow White.** (*Improved Snow White Dresden.*)—Distinguished by a remarkably vigorous, robust growth, and gigantic, magnificent double flowers, borne on long stems, making them valuable as cut flowers. Per packet 10c

Large-Flowered Dwarf Pyramidal.—Highly recommended for the garden. Light blue, brilliant pink, flesh color, carmine, pure white. Separate colors or mixed. Per packet 5c

Dwarf Bouquet.—Of low, compact growth, much branched and a long bloomer.

Azure, White, Pink, Crimson, Fresh Color, Dark Violet, Light Blue.

Dark Bloodred. Mixed.

Per packet 5c

Beauty of Nice. **New Winter Stock.**—Well-branched plants bearing a profusion of very large, sweet-scented flowers of flesh-pink color. Blooms in 14 weeks, so that it may be treated as a summer stock. Blooms all summer, fall and winter. Per packet 25c

VERBENA. The Verbena is one of the most effective bedding plants in cultivation, unrivaled in the splendor of



STOCK PRINCESS MAY.

Single Mixed. Per packet 5c

The Czar.—Large flowering, blue. Per packet 5c

Wall Flower. The conspicuous spikes of the double German varieties have a charming effect while the more bushy, compact growth and profuse blooming of the single ones render them exceedingly attractive. Half hardy perennials.

Finest Double.—Two feet. Yellow and brown. Per packet 5c

Single Mixed. Per packet 5c

ZEA JAPONICA.—A variety of corn with ornamental foliage; leaves green and white. Half hardy annual; six feet high. Pkt. 5c

Dahlias. Within the last few years there has been a wonderful revival of interest in the Dahlia. We have carefully revised our list with a view of selecting the best of the newer varieties as respects free and continuous qualities, purity of color and perfection of form. We list the best varieties on pages 69 to 72.



ZINNIA.

ZINNIA. Very showy plants of branching habit, with very fine double, brilliant colored flowers.

White, Crimson, Yellow, Scarlet, Pink, Mixed. Per packet 5c

Dwarf Orange-Red.—For bedding, very pretty. Per packet 5c

Mixed Flower Seed. This contains many desirable varieties, and is well adapted for use by woodland walks, and naturalizing purposes, as well as general garden work. Per packet 5c

RUNNING VINES. SEED.

BALLOON VINE. Remarkable for its inflated membranous capsules; sometimes called "Love-in-a-Puff." A rapid and gracefull climber. Flowers white. Per packet 5c

Canary Bird Flower.—One of the most charming climbers, bearing an abundance of bright yellow fringed flowers. Ten feet. Per packet 5c

COBAEA.—A rapid growing climber, sometimes attains the height of thirty feet in a season. Flowers first green changing to a deep blue-violet. To prevent it from rotting place the seeds edgeway and cover slightly with light soil. Per packet 5c

CHARANTIA. (Balsam Pear.)—A rapid growing climber with very beautiful fruit, of a rich golden yellow color, which opens when ripe, disclosing the seeds encased in a carmine covering. The fruit, preserved in alcohol, makes a useful linement. Per packet 5c

Dolichos or Hyacinth Bean. Of quick growth, the foliage dense and handsome, the flowers abundant and pretty, and the seed pods shining, large and of a purple-violet color. Red, white and purple. Per packet 5c

Gourds Ornamental. All of this climbing genus are of rapid growth and produce fruit of peculiar and varied form. **Gooseberry.**—Small, bright green.



COBAEA.

Snake.— **Pear Shaped.**—Green, striped with cream, Egg, Bottle Shaped, Apple, Orange, Small Onion Shaped, Small Pear Shaped Marbled, Smallest Green Striped Apple, Flattened Bottle. Mixed. Per packet 5c

IPOMOEA. Elegant twining plants, with handsome, showy flowers and beautiful foliage. Excellent for trellises, arbors, fences, etc.

Coccinea. (Star Ipomoea.)—Scarlet free flowering. **Quamoclit.** Cypress Vine.—A favorite, well-known, climbing vine, with graceful, airy foliage and handsome flowers. Scarlet. Per packet 5c

Ipomoea Noctiflora. (True Moon Flower or Evening Glory.)—Magnificent climber, producing handsome dense foliage and a large number of clear white, very fragrant flowers. Start in the house and plant out after danger of frost is past. Per packet 5c

NEW JAPANESE HOP. It resembles in habit our common hop, but the foliage is more deeply cut, and very dense. An extremely rapid grower. Per packet 5c

Variegated Foliage.—Very beautiful variety. Easy to grow.

Per packet 5c



CANARY BIRD FLOWER



GARDENING
BY
CHILDREN

No occupation is as healthy, innocent or instructive to a child as a practical study of nature. No matter how small the space of ground the pleasure to a child of cultivating a little garden will always develop ambition, and the pleasure of observing the growth from the day the seed sprouts until the plants attain perfection is in itself a lesson which both young and old can appreciate. The good, wholesome benefit derived by the children must necessarily cultivate the mind, while at the same time amuse.

Heads of Institutions and School Managers would do well to cultivate in the minds of the children under their charge a love of nature and the beautiful.

Annual flowers such as Balsam, Mignonette, Four O'Clocks, China Pinks and Phlox are all easily raised and afford a showy display at small cost and little labor. In Vegetable Seeds our selection is unexcelled.



JAPANESE MORNING GLORY

LOPHOSPERMUM SCANDENS.—

Quick growing, graceful climber, excellent for use in hanging baskets, or in a shady situation. Flowers rosy purple.

Per packet 5c

MINA LOBATA.—One of

the most beautiful climbing vines. The flowers appear in forklike racemes, rising almost erect out of the dense and luxuriant foliage; are as buds at first bright red, but change through orange yellow to yellowish-white when in full bloom. It is a very rapid growing climber, forming pyramids of over eighteen feet in height, most ornamental in appearance, the leaves being three lobed.

Per packet 10c

Imperial Japanese Morning Glory.—The

flowers are of exquisite beauty in form and coloring and of enormous size. The colors vary from pure white to rose, crimson and carmine, through blues and purples to almost black, some being mottled, striped, penciled and bordered in infinite variety and diversity. The foliage also is often prettily variegated.

Per packet 5c

Fancy Frilled Japanese Morning Glories.—This mixture contains a finer and larger collection of colors with larger flowers, more frilled than the ordinary mixture.

Per packet 10c

MORNING GLORY. Mixed.—

Per pound 50c, ounce 10c, packet 5c

Momordica Balsamina. (Balsam Apple.)—

Beautiful climbing plant with handsome apple-shaped fruit.

Per packet 5c

Maurandia.—A climber having tube-shaped flowers which last until late in the fall. Ten feet.**Maurandia Barklayana.**—Blue. Mixed.—

Per packet 5c

PASSION FLOWER. Handsome rapid climber,

for greenhouse decorations and sunny positions in the open ground in summer.

Passiflora Coerulea.—Slightly fragrant. Light blue.

Per packet 5c

SMILAX.—This is the most useful greenhouse climber known; foliage small, glossy-green, flowers small, white, very fragrant. Eight to ten feet.

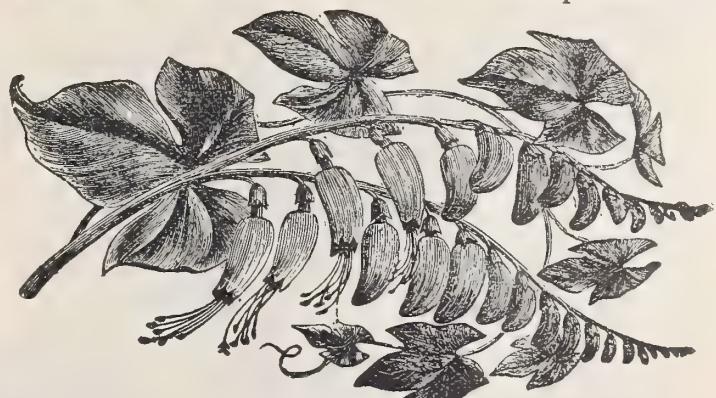
Per packet 5c

SCARLET RUNNER.—Height six feet; cultivated for the beauty of its flowers and also as a useful vegetable.

Per packet 5c

WILD CUCUMBER.—Quickest climber for arbors, fences, etc. A well-known vine.

Per ounce 10c, packet 5c



MINA LOBATA.

VINES. There is no other class of plants that possesses quite so much grace and poetry as pretty trailing or climbing vines. It has been truly said that they are Nature's drapery. They add beauty and attractiveness to the plainest of dwellings, and should be lavishly trained over windows, porches and porticos, or wherever they will add finish and effect. The work should not be overdone, however, and should not be confined to the house alone. Outhouses, as barns, henries, etc., may be attractively covered and much that is inartistic concealed.

SUMMER FLOWERING BULBS.

AMARYLLIS. Formosissima.—Each of the five narrow petals is from three to four inches long, and of a very intense, rich scarlet. Each 10c, dozen \$1.00

A. Johnsoni.—Immense trumpet-shaped flowers of rich, deep, velvety crimson, each petal having a broad white stripe, contrasting beautifully with the deep red color. Each 25c & 35c



DOUBLE TUBEROUS ROOTED BEGONIA. flowers of the richest colors, more brilliant than the most dazzling geraniums. They want protection from the hot sun.

Single.—White, scarlet, pink, yellow. Ea. 7c, doz. 70c **Double.**—Same colors. Ea. 10c, doz. \$1.00

Tuberous Rooted BEGONIAS

These showy flowers have become very popular and deservedly so. From the time the first flowers expand until frost puts a stop to further blooming, they are literally covered with



SINGLE TUBEROUS ROOTED BEGONIA.

CALADIUM ESCULENTUM ELEPHANT'S EARS

Enormous leaves. One of the finest sub-tropical plants which can be grown in the open air in the North. It is of easy culture, the chief requisites being a rich soil, and an unlimited supply of water. Very effective for the flower border and for planting out upon the lawn, especially with Cannas or Castor Oil plants.

Each 8c, 10c, and 15c; dozen 80c, \$1.00, and \$1.50
Postage 4c, 6c, and 8c per bulb extra.

CANNAS. These very handsome, tropical-looking plants are unrivaled for effects on the lawn; their large glossy green and red leaves and showy spikes of flowers produce an effect seldom equaled.



CALADIUM ESCULENTUM.

Large Flowering Cannas

- Alphonse Bouvier.**—5 feet. Crimson.
- Austria.**—6 feet. Canary yellow.
- Betsy Ross.**—2½ feet. Beautiful pink.
- Burbank.**—5 feet. Orchid-flowered, rich yellow, inner petals spotted crimson.
- Buttercup.**—3½ ft. Buttercup yellow.
- Chas. Henderson.**—4 feet. Crimson.
- Chicago.**—5 ft. Clear deep vermillion.
- David Harum.**—3½ feet. Dark bronze foliage; flowers vermillion-scarlet dotted crimson.
- Egandise.**—4 feet. Purple foliage; color currant red.
- Florence Vaughan.**—4 feet. Golden yellow dotted with carmine.



Cannas. *Italia.*—5 feet. Center brilliant red, outer half clear yellow.

Continued. *King Humbert.*—New Giant.

Massive and handsome bronze foliage. Produces freely spikes with enormous heads of the largest flowers. Color, brilliant rich orange scarlet and crimson striped. 4½ feet. Each 25c, doz. \$2.50

Mad. Crozy.—4 feet. Vermilion bordered gold.

Milwaukee.—3½ feet. Rich dark maroon.

Pres. McKinley.—3 feet. Scarlet, great bloomer.

Queen Charlotte.—4 feet. Rich crimson scarlet, wide gold border.

Sec. Chabanne.—4 ft. Deep salmon shaded orange

All Cannas on this and preceding page except King Humbert: each 10c, dozen \$1.00

CINNAMON VINE.—This charming climber forms a canopy of bright green leaves and delicate small white flowers of most delightful cinnamon odor.

Each 5c, dozen 50c

CRINUM KIRKI.—Broad white petals with a deep purple reddish stripe through the center. Fragrant. Mammoth bulbs, each 25c; postage 5c extra

GLADIOLI LARGE FLOWERING

The Gladiolus constitutes one of the finest features of the flower garden during the summer and autumn months. Every desirable color is represented from the most intense scarlet to the purest white.

New Large Gladiolus Princeps.

PRINCEPS FLOWER SPIKE, 2-5 NATURAL SIZE. One of the finest and most handsome varieties yet produced. It grows from 3½ to 4 feet high, with very broad and handsome foliage, which forms a grand setting for the brilliant Amaryllis-like blooms. The flowers measure 5 inches in diameter. Each 20c, dozen \$2.00

New Gladiolus America

The finest pink gladiolus produced to date. Beautiful soft flesh pink, very light, slightly tinged with lavender which gives it the delicate coloring of the most beautiful lælia. Strong erect spike of the largest flowers, set to show to the best advantage.

Each 20c, dozen \$2.00

Angèle.—Pure white. Each 10c, dozen \$1.00

May.—Pure white flaked rosy crimson.

Each 4c, dozen 35c

GLADIOLUS MIXTURES.

Prices do not include postage.

Red and Scarlet.— Doz. 20c, 100 \$1.35

Pink Shdes.— " 25c, " \$1.50

Light and White.—Extra. " 30c, " \$2.00

Good Mixed.— " 15c, " \$1.00

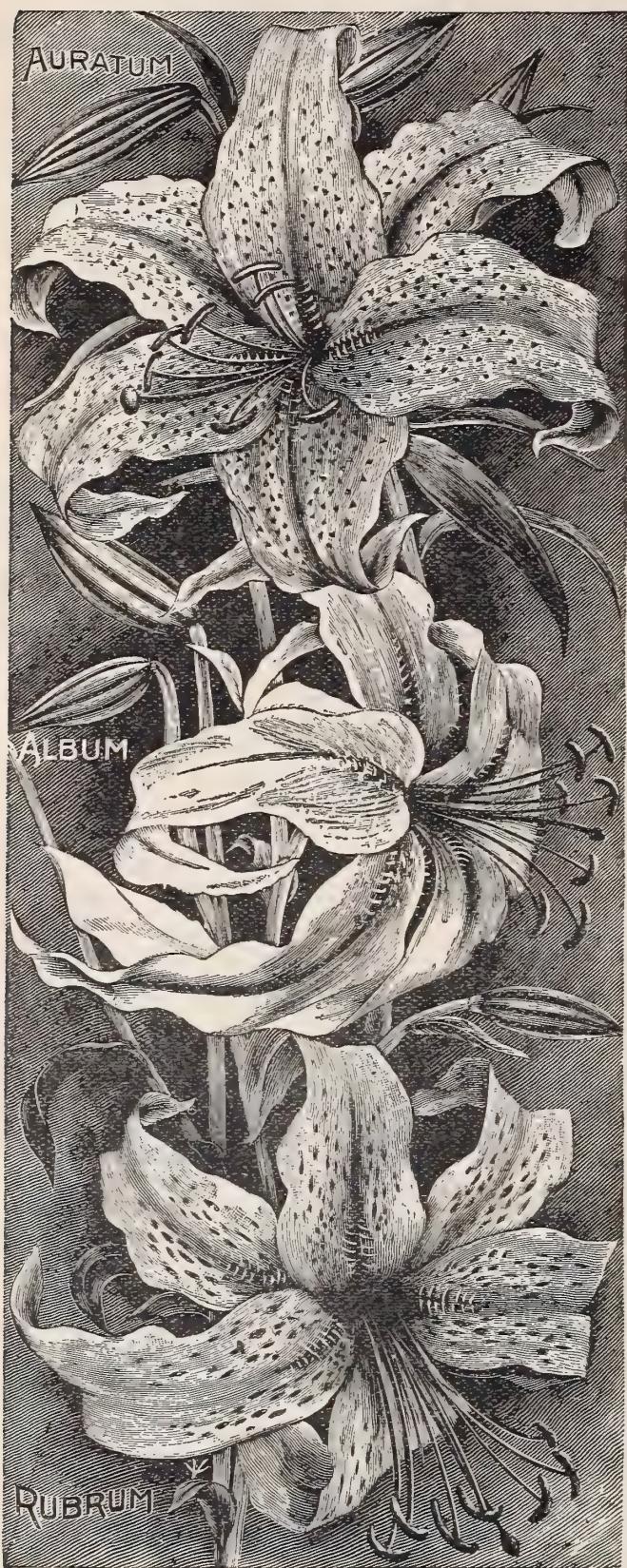
HYACINTHUS CANDICANS.

Can be used with excellent effect in the center of a bed of scarlet Gladioli, as it comes into bloom about the same time. The flowers are bell-shaped, pendulous, pure white, and somewhat fragrant. The plant is hardy and grows stronger each year. Very useful along walls, fences and in beds.

Each 5c, dozen 50c



HYACINTHUS CANDICANS.



and red flowers.

Tenuifolium, Siberian Lily.—One of the very hardest Lilies; flowers vivid scarlet, with petals reflexed; very showy and free flowering, blooming early in the spring. Each 15c, dozen \$1.50

Tigrinum, Tiger Lily.—Very hardy native lily; orange-red, spotted with purplish-black.

Each 8c, dozen 75c

LILY OF THE VALLEY.—No garden is complete without a few clumps of these fragrant flowers, which are such universal favorites as to need no description. Glossy foliage and spikes of graceful white bells of delicious fragrance.

Large clumps, each 25c, dozen \$2.50, by express or freight.

GLOXINIAS. *New Giant Flowering Hybrids.* Beautiful house plants of dwarf habit and easy culture. Flowers are trumpet-shaped with beautiful markings.

Defiance.—Rich crimson-scarlet.

Emperor Frederick.—Red with white border.

Emperor William.—Violet-blue, white throat, beautifully streaked and spotted.

Mont Blanc.—Pure white. Ea. 10c, doz. \$1.00

HARDY LILIES

Too much cannot be said in praise of the Lily, with eminent propriety styled the "Queen of Flowers". No flower is more expressive of queenly beauty and faultless purity than the Lily. They thrive best in a dry, well drained, rich soil. All Lilies offered below are hardy enough to stand the winter outdoors. It is well, however, to protect them with litter or straw.

ALL OUR LILY BULBS ARE FIRST SIZE.

THE THREE QUEENS

Auratum, Album and Rubrum. No flower garden is complete without these three grand lilies. Their ease of culture, hardiness and freedom of bloom commend them to every flower lover.

AURATUM.—*The Gold Banded Lily of Japan.*

This peerless variety is without question the grandest of all the Lily family. The flowers are pure white, thickly studded with crimson spots, while through the center of each petal runs a clear golden band. Flowers measure from 7 to 10 inches across, produced abundantly; deliciously fragrant. Each 15c, dozen \$1.50

SPECIOSUM ALBUM.—Pure white, with beautiful recurved petals, very fragrant. They are graceful, free-blooming, perfectly hardy, and will grow and flower without special treatment.

Each 15c, dozen \$1.50

SPECIOSUM RUBRUM.—*Crimson Banded.* The magnificent flowers are white, with a deep rosy or crimson band on each petal, with deeper colored spots between. They are five to six inches in diameter, very fragrant, and have all the hardiness of the Speciosum class.

Each 15c, dozen \$1.50

SPECIOSUM MELPOMENE.—A most beautiful variety. Flowers frosted white, spotted, clouded and bearded with pinkish crimson. Petals deeply recurved and widely bordered.

Each 15c, dozen \$1.50

IF ABOVE LILIES ARE WANTED BY MAIL ADD 3 CENTS A BULB.

Canadense, Meadow Lily.—This pretty Lily is one of our hardy native sorts, and bears a graceful stem of drooping, bell-shaped, yellow flowers.

Each 10c, dozen \$1.00

MADEIRA VINE.—A rapid growing graceful vine, with smooth, waxy, dark green leaves and dainty racemes of tiny, fragrant, white flowers. Ea. 5c, dozen 50c
TUBEROSE. Double Dwarf Pearl.—Pure white, perfectly double, delightfully fragrant; invaluable for bouquets. Each 5c, dozen 40c



TUBEROSE, DOUBLE DWARF PEARL.

Japanese Fern Ball.—The Ball is composed of Japanese Island Fern Roots and Sphagnum Moss, and so constructed as to send out leaves of beautiful emerald green from every point. They grow rapidly, and make a handsome ornament for the home, conservatory or greenhouse. Place ball in water until thoroughly wet and then suspend in any desired position; repeat every two days until growth is started, after which sprinkle occasionally as required. Dormant, each 50c

Dutch or Holland Bulbs for Fall Planting.—Our importations of Dutch Bulbs have been made from some of the principal growers in Holland for a number of years past with the most satisfactory results. Fine heavy bulbs, producing beautiful blooms, all true to name and color.

SEND FOR FALL CATALOG.

READY SEPTEMBER 1st.



TYPE OF SHOW DAHLIA

Ruby Queen.—Ruby red, richly shaded; fine, large flowers on long stems; profuse bloomer.
Storm King.—(Blizzard) A companion for the superb pink Dahlia, A. D. Livoni. This superior variety is an extremely early, profuse and constant bloomer. It is a strong, vigorous grower of dwarf, branching habit, and produces its flowers on long stems. The flowers are snow-white, of perfect form and full to the center. As a cut flower variety it is ideal, while for grouping or as a specimen plant is far ahead of any other White Show Dahlia. Each 20c, dozen \$2.00
 Any of above Show Dahlias, except when otherwise noted, strong field roots, each 15c, dozen \$1.50

One each above 6 varieties for 75c

Double Dahlias to Color. Red, Red and White, Pink, Yellow, Purple, White.

Strong field roots, each 10c, dozen \$1.00 Extra heavy clumps, each 15c, dozen \$1.50

Send orders early, to assure complete selection.

DAHLIAS

After some years of comparative neglect, the Dahlia is steadily regaining its old-time popularity. This is not strange when we consider how many new varieties have been introduced, and how large a list of desirable kinds we now offer. Wonderful advances have been made in variety and size of flowers, keeping qualities, and strength of stem. Their brilliant colorings and wonderful variety make them effective as garden plants or for cut.

The varieties which follow have been selected for their free and continuous flowering qualities, purity of color and perfection of form. Our collection is constantly being enlarged by the addition of meritorious novelties.

WE SEND OUT ONLY STRONG ROOTS.

SHOW DAHLIAS

Perfectly double, with quilled, cupped and incurved petals.

A. D. Livoni.—Beautiful soft pink, with quilled petals, full to the center; early and profuse bloomer.

Bon Ton.—Deep garnet.

John Walker.—Fine pure white.

Mary D. Hallock.—A fine yellow quilled variety.



CACTUS DAHLIA KRIEMHILDE.



DECORATIVE DAHLIA NYMPHAEA

The color is a clear, distinct, light shrimp-pink, tinted lighter toward the center.

Perle d'Or.—(Perle de la tête d'Or) The grandest white decorative Dahlia to date. It is very large, 5 to 6 inches in diameter, and of beautiful chrysanthemum shape.

Sylvia.—Of fine form and full to the center, which is white, shading to soft pink on the outer petals.

Wm. Agnew.—Intense, glistening scarlet-crimson; immense size, perfect form, always a mass of color. Any of above Decorative Dahlias, except when otherwise noted, strong roots, each 15c, dozen \$1.50

One each above 12 varieties for \$1.50

CACTUS DAHLIAS

The petals of this class are very long, pointed and beautifully twisted. This type is at present most popular.

Countess of Lonsdale.—The most profuse bloomer among the Cactus varieties, and one of the very best. Beautiful salmon-pink; very large.

Earl of Pembroke.—Bright plum, deeper towards the center.

Floradora.—Beautiful, glistening scarlet-crimson; true cactus form, with fine pointed petals.

Hohenzollern.—Rich bronzy orange-red with golden sheen; fine.

Kriemhilde.—Color fresh delicate pink, shading to white in the center; perfect form, profuse bloomer. Stem is strong, holding flower up stiff, making it especially fine for cutting. Ea. 20c, dozen \$2.00

Mars.—Bright dazzling scarlet of good size and free-blooming qualities.

Mrs. H. J. Jones.—A beautiful Fancy Cactus with long, twisted, pointed, incurved petals. The margins of the petals are deep crimson, while the broad stripe of white running through the center extends almost to the base, where it blends harmoniously with the deep crimson. Each 20c, dozen \$2.00

Strahlenkrone.—Intense cardinal red, rich and glowing, with long, twisted petals; early and profuse.

Winsome.—Finest pure white cactus; beautiful form, with twisted incurved petals; long, erect stems. Any of above Cactus Dahlias, except when otherwise noted, strong field roots, each 15c, dozen \$1.50

One each above 9 varieties for \$1.20

DECORATIVE DAHLIAS

These are the large flowering Dahlias with loose, open outline. They differ from the true Cactus type in having broader, heavier petals. They are especially valuable for decorative work, as they are strong, vigorous growers and can be cut on long stems.

Catherine Duer.—Flowers

of immense size, measuring seven inches in diameter; opens out flat, and shows no center. Color the most beautiful glowing red.

Clifford W. Bruton.—The best yellow; of immense size, perfect form, and of the finest canary-yellow. A tall, vigorous grower and extremely free bloomer. Should be in every collection.

Fern-Leaved Beauty.—Beautiful fern-leaved variety; white, striped deep crimson.

F. L. Basset.—Bright royal purple, shading to blue.

Grand Duke Alexis.—A magnificent flower of largest size and distinctly unique form, as the petals are rolled up so that the edges overlap. Color is pure white, distinctly tinged delicate pink.

Lyndhurst.—One of the best bright scarlets, and invaluable for cutting; large, with perfectly full centers and long stems.

Madame Van den Dael.—Gigantic size and beautiful form. Color soft shell pink with deeper markings. Each 20c, dozen \$2.00

Mrs. Roosevelt.—Delicate pink shading to soft, clear pink. Graceful in form, of immense size, and long-stemmed. Each 20c, dozen \$2.00

Nymphaea.—By far the most delicately beautiful dahlia ever introduced. Medium to large size, always full to the center, resembling the ideal pink water-lily.

SINGLE DAHLIAS

Gold Standard.—Pure deep yellow, of large size; fine form and texture. The flowers are borne on long, graceful stems, in the greatest profusion; a strong, vigorous grower, and an early and continuous bloomer.

John Downie.—Intense, glowing crimson-scarlet.

Snow Queen.—Best pure white.

Wildfire.—Clearest scarlet; very large and long-stemmed.

Any of above Single Dahlias, strong field roots, each 15c, dozen \$1.50

One each above 4 varieties for 50c

Twentieth Century Dahlia

The most wonderful Dahlia ever introduced. It is impossible to correctly describe this exquisite variety. It must be seen that one may fully appreciate its marvelous beauty. The flowers are very large, 6 inches in diameter. The color is intense rosy crimson, with white tips and a white disk around the yellow center. As the season advances, the dark-colored zone becomes lighter and the color contrasts exquisitely lovely, and can be compared with no other flower than the beautiful orchid. The color of the Twentieth Century Dahlia does not fade, like that of many other flowers, but it is a case where each succeeding flower opens lighter and lighter as the season advances. Every week we really have a new flower.

Strong field roots, each 25c, dozen \$2.50

COLLARETTE DAHLIA, PRESIDENT VIGER

Rich, deep blood-red, shading darker towards the base of the petals, with pure white collar occasionally suffused with rosy carmine. The flow-



TWENTIETH CENTURY DAHLIAS

ers are always perfect, with eight petals, and it is an extremely early and profuse bloomer.

Strong field roots, each 20c, dozen \$2.00

POMPON DAHLIAS

Pompon Dahlias are especially valuable for bouquets.

Allie Mourey.—A very pretty Pompon, of fine form and good habit; pinkish white tipped deep pink; small, compact flower.

Catherine.—The best pure yellow of fine form, full to the center, and borne on long stems.

Little Helen.—Extremely profuse strong grower; white, suffused blush.

Sunshine.—Brilliant scarlet; of fine form, with full centers and long stems; largely used for cutting.

Strong field roots, each 15c, dozen \$1.50

One each above 4 sorts for 50c



TYPE OF POMPON DAHLIAS

HARDY PERENNIAL PLANTS.

The popularity of this class of plants, familiarly known as **Old-Fashioned Hardy Garden Flowers**, is not at all surprising when we consider the many varied and pleasant changes which take place throughout the entire growing season in a well-arranged hardy border.

Price of all Hardy Perennials, except where noted, is as follows: Extra Strong Plants, each 15c, dozen \$1.50 by express or freight, at buyer's expense.

Achillea, The Pearl.—Pure white, double flowers in great profusion; 2 ft.; blooms all summer. Each 10c, doz. \$1.00

ANEMONES. 2 to 3 feet. Bloom from August to November.

Queen Charlotte.—Semi-double pink; very popular.

Whirlwind.—Pure white, semi-double; one of the prettiest.

Aquilegia.—Rocky Mountain Columbine.

Each 10c, dozen \$1.00

Bellis.—Double Daisy. White, pink and red.

Each 5c, dozen 50c

Bocconia Cordata.—Creamy white terminal panicles.

Campanula.—Canterbury Bell. Ea. 10c, doz. \$1.00

Carnation.—Double.

Ea. 5c, doz. 50c

Coreopsis Lanceolata.—Bright golden yellow.

Daisy, Shasta.—Large, pure white flowers; perfectly hardy.

Delphinium. Hardy Larkspur. The long spikes of flowers are produced continuously until late in fall.

Formosum.—Large deep blue with white eye.

Belladonna.—Beautiful large sky-blue.

Each 20c, dozen \$2.00

Dianthus Barbatus—Sweet William. Ea. 5c, doz. 50c

Dianthus Plumarius.—Pheasant's Eye Pink.

Each 5c, dozen 50c.

Dielytra.—Bleeding Heart.

Each 10c, dozen \$1.00



COREOPSIS LANC.



GAILLARDIA GR.



AQUILEGEA.

Digitalis.—(Foxglove). A wealth of bloom in June and July.

EULALIA JAPONICA VAR.—Ornamental grass striped lengthwise green and white

E. JAPONICA ZEBRINA.—Broad yellow bands across the leaf.

FERNS.—Hardy wood ferns.

Each 5c to 20c, dozen 50c to \$2.00

Funkia Subcordata.—Plantain Lily. Pure white, lily-shaped, fragrant flowers; broad, massive foliage.

GAILLARDIA GRANDIFLORA.—Showy and effective; continue one mass of bloom all summer. Center dark reddish-brown, petals marked with rings of brilliant scarlet-crimson, orange and vermillion.

Each 10c, dozen \$1.00

Gypsophila Paniculata.—Baby's Breath. Minute, pure white flowers of beautiful gauze-like appearance. August-September

Helianthus Multiflorus.—Double yellow sunflower.

H. Maximilliana.—Graceful, single-flowered, yellow variety.

HEMEROCALLIS FLAVA. Yellow Day Lily. 3 feet; fragrant.

Each 10c, dozen \$1.00

Hesperis Matronalis.—Showy spikes of pinkish flowers during June and July.

Each 10c, dozen \$1.00

Hibiscus "Crimson Eye."—Flowers of immense size; pure white with a large spot of deep velvety crimson in the center.

—Few hardy plants combine as many good qualities as the Hollyhock. For planting in rows or groups on

the lawn, or for interspersing among shrubbery they are invaluable.

Double White, Pink, Salmon, Yellow, Maroon, Bright Red. Ea. 20c, doz. \$2.00

Lobelia Cardinalis.—Rich fiery cardinal flowers.

Lychnis Chalcedonica.—Large heads of vermillion-scarlet flowers.

Each 10c, dozen \$1.00

Lysimachia Nummularia.—Money-wort. Creeper.

Each 10c, dozen \$1.00



GERMAN IRIS.



PEONY, *OFFICINALIS RUBRA PLENA*.



HARDY PHLOX.



ORIENTAL POPPY.

HARDY PERENNIALS

CONTINUED.



JAPAN IRIS.

and are now to be found in almost every garden. They flower from early summer until late in the fall, and contain a range of brilliant colors not found in any other hardy plant.

Amor.—Pure pink. **Coquelicot.**—Scarlet, deep carmine eye. **Montagnard.**—Pure crimson. **Pantheon.**—Deep salmon rose. **Lothair.**—Salmon red with carmine eye

Above varieties: **Strong plants, each 15c, dozen \$1.50**

Mixed Phlox. **Each 10c, dozen \$1.00**

Platycodon Mariesi.—Deep blue, bell-shaped, nearly 3 inches.

Poppy, Oriental.—Mammoth scarlet, with black center.

Pyrethrum Ulginosum.—Large white, daisy-like flowers.

Rudbeckia Purpurea.—(Purple Cone Flower.) Large flower of peculiar reddish purple, with large compact center of brown.

Rudbeckia Golden Glow.—Produces masses of double, golden-yellow, Cactus Dahlia-like flowers. **Each 10c, dozen \$1.00**

SCABIOSA CAUCASICA.—One of the handsomest perennials for cutting purposes. The flowers are of a peculiarly soft and charming shade of lilac-blue. June to September.

Stokesia Cyanea.—(Cornflower Aster.) Handsome, lavender-blue, centaurea-like blossoms.

Tritoma Pfitzerii.—(Everblooming Flame Flower.) Blooms 12 inches long, of rich orange scarlet shading to salmony rose at edges.

Veronica Longifolia Subsessilis.—Pretty species with blue flowers, produced on spikes a foot long. **Each 25c, dozen \$2.50**

Yucca Filamentosa.—Large, fragrant, drooping, creamy-white flowers. **4 year old plants, each 35c, 3 for \$1.00**

Japan Iris.

These magnificent Iris are among the most beautiful of our summer-flowering plants, rivaling the Orchids in rich colorings and markings; many of the blooms measure 8 to 10 inches across. Our collection embraces 50 of the finest varieties, covering every conceivable combination of colors.

Extra large, undivided field clumps, just as imported: Ea. 35c, 3 for \$1.00, doz. \$3.00

Divided clumps, each 20c, dozen \$2.00

German Iris Fleur-de-Lis

One of the most desirable early spring-flowering plants. The flowers are of large size and exquisite colors. We offer:

Florentina.—Free-flowering, sweet-scented, white. **Lord Salisbury.**—Purple and bronze, rich.

Mme. Chereau.—Pearly white, daintily edged lavender. (See illustration.)

Penelope.—White, tinged and veined with lavender.

Spectabilis.—An early and free deep purple.

Strong clumps, each 15c, dozen \$1.50

Peonies. These showy, old-fashioned plants, with their immense, full double, satiny flowers in lovely shades of red pink and white, are of such hardy and vigorous growth as to withstand our severe northern winters. Never attacked by insects or disease.

Double Red, Pink, White.—Large clumps, each 25c dozen \$2.50 Extra large, each 35c, 3 for \$1.00

Officinalis Rubra Plena.—A splendid early blooming variety, bearing large deep crimson flowers; very fragrant.

Strong clumps, each 35c, extra strong clumps each 50c

Officinalis Rosea Plena.—Early double pink. Strong plants, each 35c

Tenuifolia.—Crimson flowers; fine, feathery foliage. **Each 35c**

Hardy Phlox. The hardy Phloxes are without doubt the most important of all hardy perennials, flower from early summer until late in the fall.

Amor.—Pure pink. **Coquelicot.**—Scarlet, deep carmine eye. **Montagnard.**—Pure crimson. **Pantheon.**—Deep salmon rose. **Lothair.**—Salmon red with carmine eye



TRITOMA PFITZERII.

Hardy Ornamental Climbing Vines.



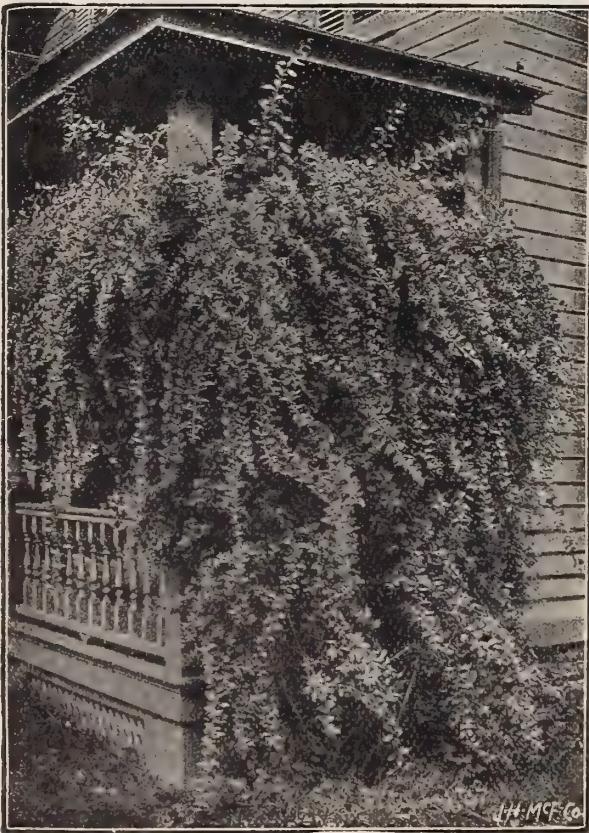
CLEMATIS JACKMANI.

Small Flowered Clematis Paniculata.

This handsome hardy climber is one of the most satisfactory climbing flowering plants. Of very rapid growth; small, dense, glossy green foliage, and pure white, deliciously fragrant flowers, which appear in greatest profusion in September, a season when few other vines are in bloom. Strong 2-year-old plants.

Each 25c, dozen \$2.50
Extra strong 3-year plants Ea. 35c, doz. \$3.50

CLEMATIS COCCINEA.
Bell-shaped flowers, of a bright coral-red color.
2-year plants each 25c, doz. \$2.50



MATRIMONY VINE.

Ampelopsis Veitchii ^{Boston} Ivy.

Very attractive climbing vine, with glossy ivy leaves, closely overlapping. The tendrils cling firmly to the smoothest surface. In autumn the leaves assume the most beautiful tints of scarlet and crimson.

Strong vines 3 feet long, each 25c

A. Quinquefolia.—**Virginia Creeper.** Splendid for covering trees, arbors and trellises. The large deep green foliage assumes brilliant shades of yellow, crimson and scarlet in fall. 4-year plants, each 25c, doz. \$2.50

CLEMATIS.

The most beautiful class of flowering climbers. They want a sunny location and good culture; dig the ground deep, make it rich, and water whenever needed. For covering verandas, pillars, trellises, or any unsightly tall object there is nothing to compare with the Clematis.

Jackmani.—Rich, deep velvety purple. Blooms with astonishing profusion.

Ramona.—Lavender-blue; the largest of all.

Henryi.—Large pure white.

Strong 2-year-old roots, each 50c
Extra strong 3-year-old, each 75c



CLEMATIS COCCINEA.

HONEYSUCKLE. Scarlet Trumpet.—Produces scarlet, inodorous flowers all summer; rapid grower.

2-year-old plants, each 35c, dozen \$3.50

Halleana.—Flowers yellowish-white, freely produced; fragrant. 2-year-old plants, each 25c, dozen \$2.50

Kudzu Vine or Jack-and-the-Bean-Stalk.—This is the most rapid climber, attaining after once established, a height of 50 feet or more in a season. Large foliage, clusters of Wistaria-like blossoms. Each 35c

Matrimony Vine.—Well-known, hardy, rapid climber; covered with scarlet fruit in autumn.

Extra heavy 2-year-old vines, each 35c

CHINESE WISTARIA.—One of the best of all hardy climbers. It grows rapidly and presents a magnificent appearance with its pendulous clusters of pale blue.

2-year-old vines, each 35c, 3 for \$1.00

HARDY GARDEN ROSES

The beauty of the Rose is so widely appreciated that the popularity it now enjoys is annually increasing. In old-fashioned gardens, in borders, along garden walks, or on arbors, the sweet perfume of blooming Roses is a source of constant delight to all who grow them.

The varieties listed below are offered with a view of supplying a collection which combines as varied a range of color as can be brought together in a limited number of sorts. Many kinds have been omitted, not because they are of no value, but that the sorts listed are superior in size, hardiness, vigor, productiveness, or some other characteristic necessary to make a good garden rose.



AMERICAN BEAUTY

Mrs. John Laing.—Soft pink; exceedingly fragrant; commences flowering early and continues late.

Paul Neyron.—Deep, shining pink. Good, strong grower, almost thornless.

Persian Yellow.—Perfectly hardy, semi-double, golden yellow.

Soleil d'Or.—Beautiful clear green, dense foliage. Large, full, globular flowers, fragrant; buds conical; color varying from gold and orange-yellow to reddish gold, and shaded with nasturtium red.

Ulrich Brunner.—Brilliant cherry red, a very effective color.

PRICES:—Extra heavy 2-year-old plants, except where noted,
Each 25c, dozen \$2.50

New Everblooming Rose "BABY RAMBLER"

A dwarf form of the widely known and popular climbing rose Crimson Rambler. The flowers are borne in clusters like those of the Crimson Rambler and are of the same charming brilliant red color. The best red pot or bedding rose in the world. Perfectly hardy, in bloom all the time. Each 40c, doz. \$4.00

MOSS ROSES

A class of Roses much admired. The beauty consists in the delicate mossy covering which surrounds the bud.

Blanche Moreau.—Pure white. **Pink.**— Ea. 25c, doz. \$2.50

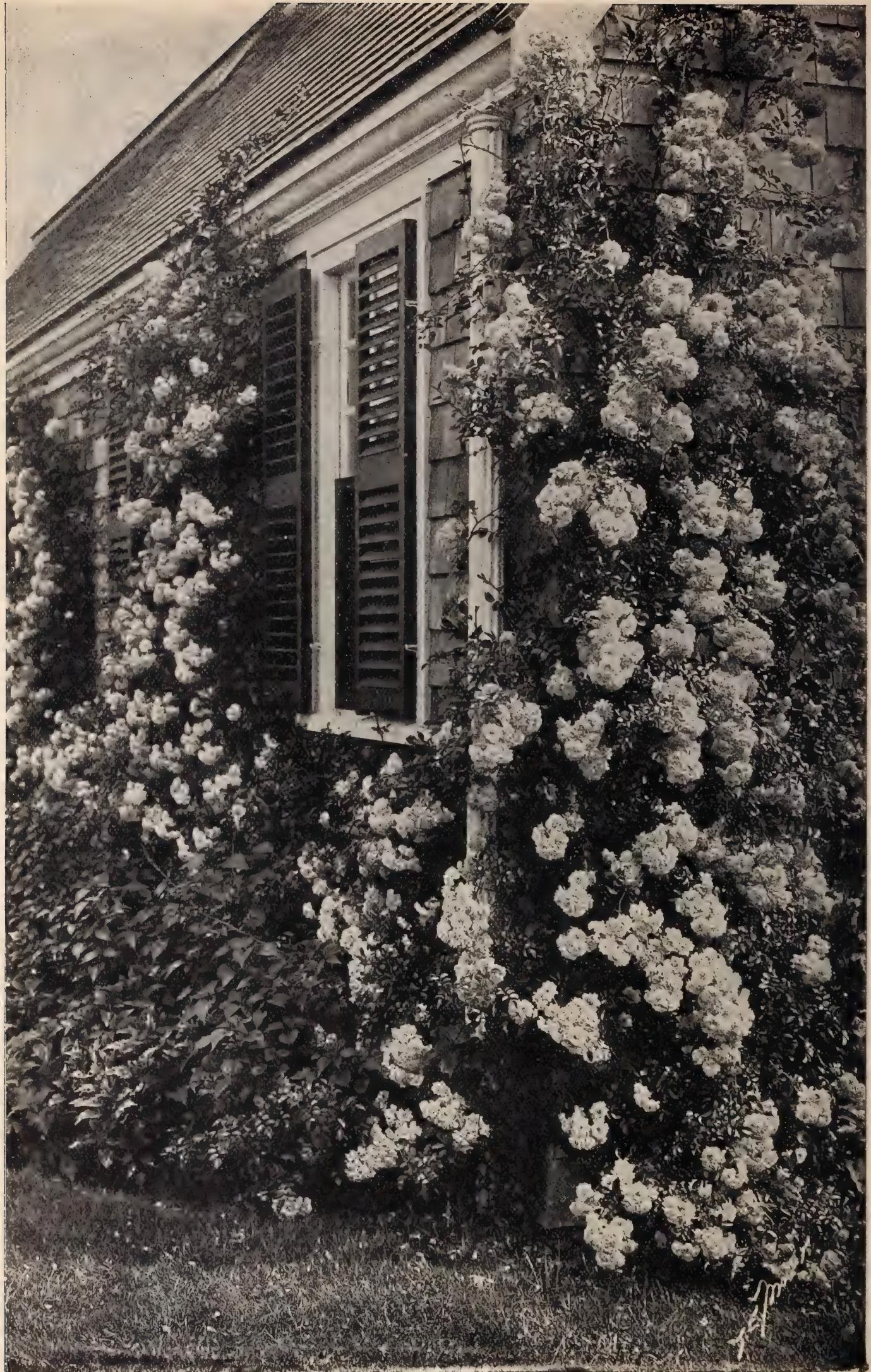
RUGOSA ROSES

Handsome foliage and clusters of beautiful single flowers followed by brilliant red seed pods. Splendid for hedges.

R. Alba.—White. **R. Rubra.**—Red Ea. 25c, doz. \$2.50



BABY RAMBLER.



CLIMBING ROSE—DOROTHY PERKINS.

HARDY CLIMBING ROSES

Crimson Rambler.—Unquestionably one of the finest roses in existence. A vigorous grower making shoots 10 to 15 feet in a single season, and when in bloom commands admiration by the gorgeous display of its brilliant crimson blossoms, produced in clusters in marvelous abundance. May be grown on verandas, pillars, fences and walls, or it can be grown in bush form and thus becomes a most striking object.

Extra Select, with canes 3½ to 4 feet, each 35c, doz. \$3.50 Select, 2 to 3 ft., each 25c, doz. \$2.50

Yellow Rambler.—Flowers in clusters of 6—10. Yellow in the bud, but nearly white when fully open.

Dorothy Perkins.—In foliage and habit of growth it is remarkably like Crimson Rambler; the flowers are very double, of good size and are borne in clusters of ten to twenty, the clusters being borne in racemes of three to five, thus often making a group containing fifty to sixty blossoms upon a single stem. The petals are very prettily rolled back and crinkled. The color is a clear shell pink and holds a long time without fading; very sweetly scented.

Baltimore Belle.—Very double blush white, completely enveloping the whole plant with bloom.

Prairie Queen.—Bright rosy red, large flowers. A favorite with everyone.

PRICES:—Above varieties, strong 2-year-old plants, each 25c, dozen \$2.50

TREE OR STANDARD ROSES. These roses are grafted on hardy stalks four feet high. We offer them in white, pink and red. Ea. 75c, 3 for \$2.00 Crimson Rambler in tree form ea. \$1.00

HARDY ORNAMENTAL SHRUBS

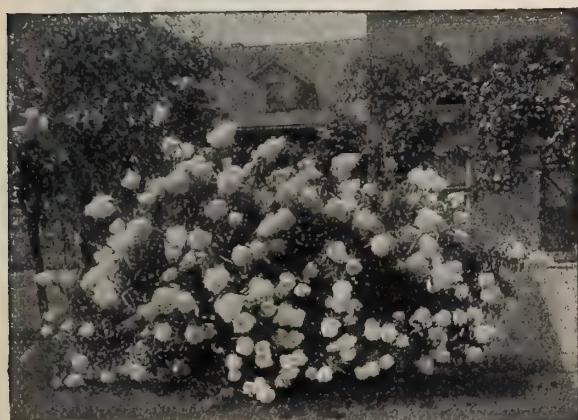
Note.—Prices are based on well-shaped, bushy, vigorous plants, with heavy root growth, such as produce immediate effect. They can only be shipped by express or freight, being too large and heavy to be sent by mail. Write for prices in larger quantities.

	Each	Doz.
Almond , Flowering, dble. white & pink	.35	3.50
Althaea (Rose of Sharon) Double....	.25	2.50
Barberry , Purple-Leaved.....	.25	2.50
" Thunbergii. Beautiful hedge plant; foliage turns bright red in fall	.25	2.50
Cornus , Sanguineus. Red Dogwood..	.25	2.50
Crab , Bechtel's Double Flowering.....	.75	7.50
Currant , Yellow Flowering.....	.25	2.50
Cydonia Japonica (Japan Quince) Fine for hedges; brilliant crimson flowers	.25	2.50
Deutzia , Lemoinei. Pure white.....	.25	2.50
Elder , Cut-Leaved.....	.25	2.50
" Golden-Leaved.....	.25	2.50
Forsythia , Golden Bell. Very early...	.25	2.50
Fringe , Purple.....	.25	2.50
Honeysuckle , Upright Tartarian, pink	.35	3.50

	Each	Doz.
Lilac , Common purple and white, 15 to	.25	
" Persian purple and white.....	.25	2.50
" Marie Le Gray, beautiful white.	.40	4.00
" Japonica or Tree Lilac.....	.50	5.00
Mulberry , Tea's Weeping, 2 year head	1.25	
Philadelphus or Syringa . Mock Orange. Grand shrub covered with sweet-scented white flowers		
Coronarius (Garland Mock Orange)		
Coronarius fl. pl. Double flowering.		
Grandiflora. Large growing variety		
First size shrubs.....	.25	2.50
Extra size shrubs.....	.35	3.50
Prunus , Pissardi. Purple-leaved plum	.40	4.00
" Triloba. Double flowered delicate pink; very desirable.....	.40	4.00
Peach , Double flowering pink, 4—6 ft	.40	4.00
Snowball , Sterilis. Common Snowball	.25	2.50
" Plicatum. Japan Snowball.	.35	3.50
Snowberry , Red and white berried....	.25	2.50
SPIREA . Graceful shrubs everyone should plant. Of easiest culture.		
Anthony Waterer. Dwarf, bright crimson, continuous bloomer.....	.35	3.50
Spiraea van Houttei . The grandest of all white Spireas; it is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom.		
Fine bushy plants, 2½ to 3 feet.....	.25	2.50
Extra heavy plants, 3 to 4 feet.....	.35	3.50
Specimen plants.....	.75	
Weigelia . Large trumpet-shaped flowers in great profusion.		
Candida. Pure white.		
Eva Rathke. Brilliant crimson.		
Rosea. Pink.		
Variegata. Leaves margined creamy white; flowers pink.		
Large, bushy plants, above sorts...	.25	2.50
Extra large, bushy plants all above	.35	3.50

ORNAMENTAL DECIDUOUS TREES AND EVERGREENS

We are prepared to furnish these in all leading varieties and sizes. Well grown, shapely, with abundance of roots. Ask for prices.



HYDRANGEA PAN. GRAND.

HYDRANGEA PANICULATA GRANDIFLORA
This is the finest hardy shrub in cultivation. The flowers, which are borne in dense pyramidal panicles, nearly a foot long, in the greatest profusion, are white when they first open, but gradually change to rose color, and remain in good condition for weeks.

Fine bushy plants, each 25c, dozen \$2.50

Extra fine plants, each 35c, dozen \$3.50

Standard or tree-shaped, each 40c, dozen \$4.00

A PAGE OF SMALL FRUITS

BLACKBERRIES.

Mersereau.—Large size, superb quality, without tendency to turn red.

Each 10c, dozen \$1.00

CURRENTS.

Black Naples.—The best black currant.

Fay's Prolific.—First class red; prolific.

Red Dutch.—Standard red, productive.

White Dutch.—Excellent old variety.

White Grape.—Very large yellowish-white of excellent quality.

Wilder.—Large prolific red.

Price of above, strong 2-year-old bushes, each 15c, 4 for 50c, doz. \$1.25, by express

GOOSEBERRIES.

Downing.—Large whitish-green, fine.

2-year-old, each 15c, dozen \$1.50

Industry.—Berries of large size, excellent



CURRENT, WHITE GRAPE.



INDUSTRY GOOSEBERRY.



SENATOR DUNLAP STRAWBERRY.

flavor, dark red..

2-year-old bushes, each 20c, dozen \$2.00

Red Jacket.—Large, smooth, bright red; prolific and hardy.

2-year-old bushes, each 20c, dozen \$2.00

GRAPES.

Brighton.—Bunches large; dark red.

Catawba.—Copper-colored, sweet, rich.

Concord.—Most popular grape in America; blue-black.

Delaware.—Small red, juicy and sweet.

Niagara.—Greenish-white, very popular.

2-year-old plants, each 20c, dozen \$2.00



COLUMBIAN RASPBERRY.

Columbian.—Sweet

and highly flavored. Deep purplish red; wonderfully productive.

Cumberland.—Very large, firm and prolific; the best black.

Cuthbert.—Hardy, prolific, excellent quality; deep rich crimson. Above varieties, each 5c, doz. 50c. If by mail add 10c per doz.

STRAWBERRIES.

Brandywine.—One of the best and handsomest berries grown. fine rich flavor, large size, dark red.

Clyde.—Abundant bearer, large fruit.

Senator Dunlap.—Has given the greatest satisfaction as to hardness, productiveness and quality. Large bright deep red, very glossy, firm, a splendid keeper; one of the very best berries for canning.

Any of above, dozen 15c, 100 \$1.00, 1000 \$5.00

FRUIT TREES.

We are prepared to furnish fine, shapely trees of the following: **Apples**, **Crab Apples**, **Cherries**, **Peaches**, **Pears**, and **Plums**. All sizes, many varieties of each. Write for prices.



Below we list briefly a standard line of Poultry Supplies. Only goods of known merit, tested in practical use, and endorsed by experience, are offered. For more complete list with descriptions and illustrations see our special catalog of Poultry Supplies, sent free on request.

POULTRY FOODS

Cyphers Chick Food.	5lbs.	25c	10lbs.	40c	25lbs.
85c, 50lbs.	1.50	100lbs.	2.75		
Lee's Egg Maker and Chick Grower.	2½ lb.	pack-			
age 25c, 25lb. pail	2.00				
Eggo. 25c		Ovamead. 25c and 50c			
Climax Condition Powder. 25c					
5lbs.	10lbs.	25lbs.	50lbs.	100lbs.	
Beef Scrap. .25	.40	.80	1.50	2.90	
Blood Meal. .30	.50	1.00	2.00	3.50	
Meat Meal. .20	.35	.70	1.25	2.25	
Poultry Bone. .20	.35	.75	1.25	2.25	
Bone Meal. .25	.50	.90	1.60	2.50	
Charcoal. .30	.40	.75	1.40	2.75	
Clover Meal. .20	.35	.70	1.10	2.00	
Clover Hay. .20	.35	.60	1.00	1.75	
Crushed Shells. .15	.25	.40	.40	.65	
Grit, Pearl					
" Mica Crystal	.15	.25	.45	.75	
" Mico-Spar					

LICE KILLERS

Lee's Lice Killer.	Liquid.	1-quart can	35c	2-qt.
can 60c; 1-gallon can	1.00			
Lee's Insect Powder.	25c			
Prussian	"	25c and 50c		
Cyphers Lice Paint.	1-quart can	35c		
"	"	Powder.	25c	

POULTRY REMEDIES

Conkey's Roup Cure.	50c
Lee's Germozone.	Liquid or tablet, 50c

The "Mandy" Lee Chick Brooder. The only brooder that furnishes direct contact heat to the backs of the little chicks. It "Hovers 'Em Like the Hen"—providing natural heat in a natural way. Write for complete description.

Price \$12.00

The "Mandy" Lee No. 2. This Secondary Brooder Hover is for chicks over 3 weeks old.

Price \$7.50

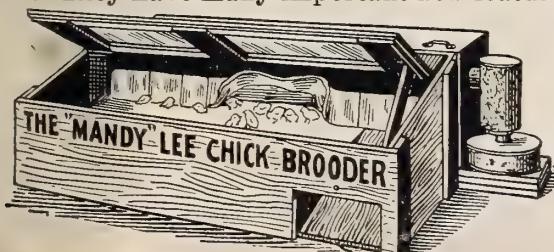
The "Mandy" Lee Incubators

These machines are made right—best of everything throughout. They have many important new features among them the

Egg Cover, Sub-Nursery, and the Bottom Door. Perfect ventilation. Ask for complete description.

140-Egg, \$17.00

110-Egg, \$12.00





AZALIA POTS.



GARDEN LINE AND REEL.



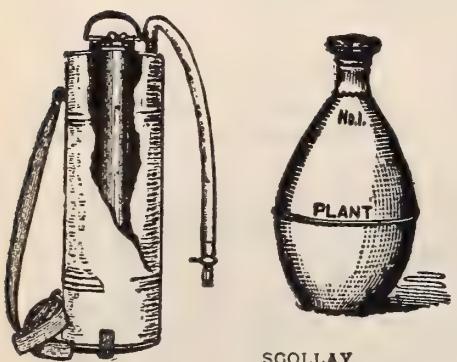
DIBBER.



DANDELION PULLER.



GUARANTEED TO DESTROY POTATO BUGS,
Tomato and Bean Fleas, Currant Worms, Cabbage
Fleas, Beetles and Striped Bugs on Melons, Squash, Water
Lettuce, Eggplant, Cucumbers, etc. Canker Worms and Caterpillars on Fruits
and Vegetables. Also, Cutworms, Armyworms, and other
pests. The best remedy for all these pests is
Hammond's Slug Shot. It is guaranteed to
destroy all the above pests and to do no harm to
the plants. It is safe to use on all kinds of
plants, including flowers, fruit trees, and vegetables.
DIRECTIONS FOR USING.
Pour the liquid into a shallow dish and
allow the insects to crawl into it. They will
soon be destroyed. If the insects are
not destroyed, pour the liquid into a
shallow dish and allow the insects to crawl into it.
Hammond's SLUG SHOT WORKS,
FAMILIA, N.Y.



SCOLLAY SPRINKLER.



RAFFIA.



NEW ERA SPRAYER.

GARDEN TOOLS & SUNDRIES

Prices do not include postage.

	Price
Asparagus Knife, American. Straight edge, each.....	.35
Books. We can supply all Agricultural, Horticultural and Poultry Books at publishers' prices.	
Corn Planter, Eagle. 3 interchangeable plates.....	1.25
Dandelion Puller. Best steel; a very practical tool, each...	.40
Dandeline. Sure death to Dandelions. Pint 50c, quart....	.75
Dibber. For transplanting; steel point.....	.30
Fork, Hand Weeding or Transplanting Fork, each.....	.25

FERTILIZERS

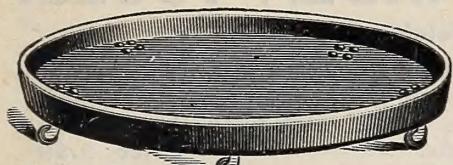
Bone Meal. Guaranteed analysis. Quantity required, one part to fifty parts soil; for starting a new lawn 3—5 lbs. per 100 sq. ft.	1 lb. 5c, 5 lbs. 25c, 25 lbs. 90c, 100 lbs. 2.50
Sheep Manure. 1 lb. 5c, 10 lbs. 35c, 50 lbs. 1.00, 100 lbs. 1.75	
Blood. 1 lb. 7c, 5 lbs. 30c, 10 lbs. 50c, 25 lbs. 1.25, 50 lbs. 2.00	
Hard Wood Ashes. 25 lbs. 45c, 50 lbs. 75c, 100 lbs. 1.25	
Plant Food. Designed for pot plants. Package 15c; mailed .25	
Japanese Palm Food. For palms and ferns. Pkg. 15c; mail .25	
Garden Line. 100 feet 50c. Reel. .....	.50

GLAZING MATERIALS

Mastica. Superior to putty; gallon 1.25	Machine to apply 1.25
Scollay Putty Bulb. For applying liquid putty and Mastica	.85
Glazing Points, per 1000 75c	Glass Cutter.
Grafting Wax. $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 25c, 1 lb.....	.40
Grass Edger, Planet Jr. Does straight or curved work....	6.00

INSECTICIDES

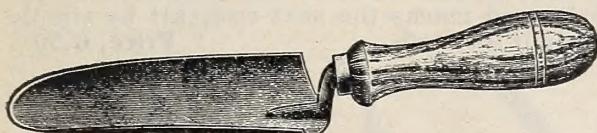
Ant Exterminator. Box...	.15
Bordeaux Mixture. Quart.	.25
Grape Dust. Pound.....	.10
Hellebore, Powdered.	
$\frac{1}{4}$ lb. 8c, pound	.25
Kerosene Emulsion. Qt...	.40
Paris Green. Pound.....	.25
Persian Insect Powder.	
$\frac{1}{4}$ lb. 15c, pound	.40
Slug Shot, Hammond's. Guaranteed to destroy potato bugs, currant and cabbage worms, flees, beetles and striped bugs.	
Lb. 8c, 5 lb. pkg.....	.35
1 lb. Sprinkler-top box..	.10
Knives. Pruning or Budding. Each.....	1.00
" Asparagus. Each 35c	
Potato. Each.....	.25
Labels. Pot, 4 in. 100 15c	
Tree, copper wired, $3\frac{1}{2}$ in. 100..	.25
Pots, Flower. All sizes. Standard and Azalea.	
Raffia. Best tying material. Pound.....	.25
Colored Raffia. Write for prices.	
By mail 1c per ounce extra.	



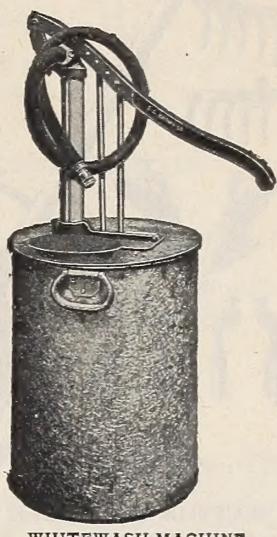
ROLLING PLANT STAND.



PRUNING SHEARS.



ENGLISH STEEL TROWEL.

ANGLE
TROWELWATERS
IMPROVED
TREE PRUNER.

WHITEWASH MACHINE.

	Price
Shears, German Pruning , 6½ inch 90c; 7½ inch 1.10; 8½ inch 1.20	
" Grass, with thumb guard, each.....	.35

SPRAYERS

New Era. The fine mist is evenly distributed, so that tender plants are not injured. Tin reservoir, each..... 35

Galvanized reservoir, each 50c; Brass reservoir, each..... 75

Auto-Spray. Eight to ten strokes of plunger in air chamber will compress enough air to discharge the entire contents. The Auto-Pop is a contrivance for mechanically controlling the spray and cleaning the nozzle.

Galvanized reservoir..... 4.50

" " with Auto-Pop..... 5.50

Brass reservoir..... 5.50

" " with Auto-Pop..... 6.50

Extension Rods, 2 ft. lengths, galvanized 25c; brass..... 30

Auto-Spray No. 30 Whitewash, paint and spraying machine; capacity 8 gallons..... 12.00

Sprinkler, Scollay. Medium size, 65c, by mail..... 75

Large size, 85c, by mail..... 95

Stakes, Cane. 6—8 feet long, dozen 25c, per 100..... 1.00

Stand, Rolling. For heavy plants; made of indurated fibre ware. 12 inch 75c; 15 inch 85c; 16 inch 1.00; 18 inch..... 1.15

Thermometers. Tin case 8 inch 15c, dozen..... 1.50

Hot Bed. Brass point, wooden frame, each..... 1.75

Incubator..... 60

Brooder..... 50

Tree Pruner, Water's. 6 ft. 75c; 8 ft. 90c; 10 ft. 1.00; 12 ft. 1.10

TROWELS

English Steel. 6 inch..... 30

Garden. 6 inch..... 10

Cleve's Angle. Narrow..... 15

FLOWER TUBS

Columbian. Made of best cypress, will last for years.

10x 11 inch..... each 1.00 21x18½ inch..... each 2.50

15x 14 inch..... each 1.50 24x20½ inch..... each 3.00

18x 16½ inch..... each 2.00

Turf Edger..... 50

Vase, Clara Cemetery. Handsome glass vase for the cemetery. Lower end sharp-pointed for imbedding in ground..... 40

Vase, Enamored Cemetery. White enamel; two sizes; 20c & 25

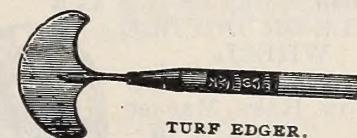
WEEDERS

Combination..... 20

Eureka..... 35

Excelsior..... 10

Lang's..... 20



TURF EDGER.



EUREKA WEEDER.



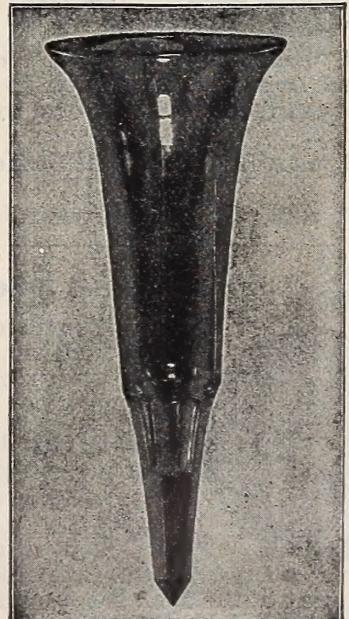
EXCELSIOR



COLUMBIAN TUB.



LANG'S.



CLARA CEMETERY VASE.

MATTHEWS GARDEN TOOLS.

Complete Catalog Free.

Matthews New Universal Double Wheel Hoe, Cultivator, Rake & Plow

Specially designed for working both sides of the row at one passing. Attachments are 1 pair hoes, 4 cultivator teeth, 1 pair plows, 1 pair rakes and 1 pair vine guards.

With one pair Hoes only.

Price, 5.50

Price, 3.50

Matthews New Universal Single Wheel Hoe, Cultivator, Rake and Plow.

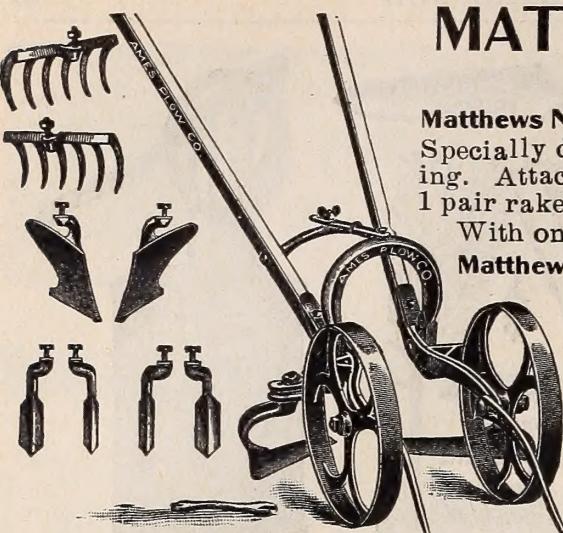
Attachments are 1 pair hoes, 5 cultivator teeth, 1 pair plows, 1 pair rakes, 1 vine guard. Price, 4.75

With one pair Hoes only.

Price, 2.75

Matthews New Universal Model Garden Drill.—It opens the furrow, drops and covers the seed, rolls down the earth over it, and marks the next row, all by simply pushing the drill forward.

Price, 6.50



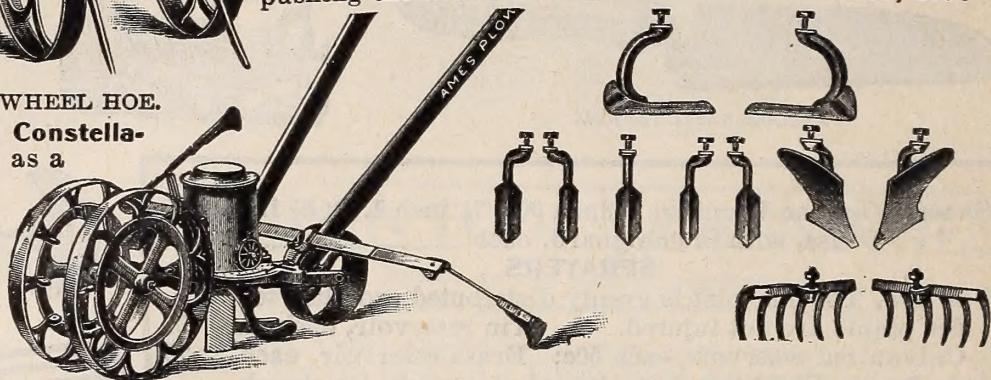
MATTHEWS DOUBLE WHEEL HOE.

Matthews New Universal Constellation Drill.—May be used as a SINGLE OR DOUBLE WHEEL

Seeder, Hoe, Cultivator, Plow, Rake, Marker

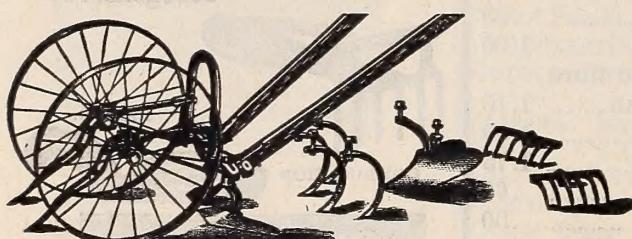
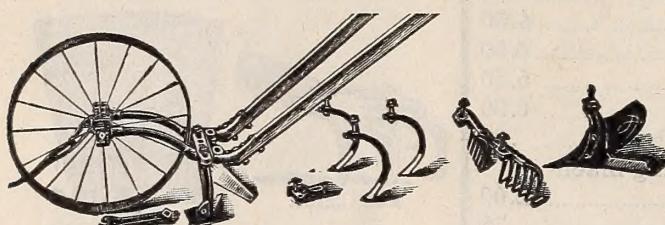
Price, 8.50

Matthews Hill and Drill Seeder.—So arranged as to drop seed either continuously in drill or at distances of 4, 6, 8, 12, 16, 24 and 48 inches apart.



CONSTELLATION DRILL.

Price, 7.25



No. 15 "Iron Age" Combined Single Wheel Hoe, Hill and Drill Seeder.—Each in itself complete. May be changed from one form to another almost instantly.

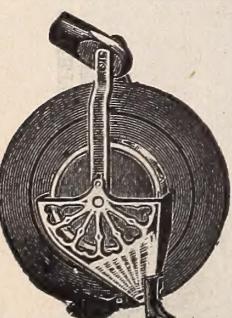
Price, 10.00

No. 16, as a Hill and Drill Seeder only.

Price, 7.50

No. 17. Same as No. 15, except being furnished without hill dropping device.

Price, 9.00



Eureka Seed Drill For Kitchen Garden and Hot Bed

Will sow and cover Beet, Cabbage, Carrot, Lettuce, Onion, Radish and all such seeds with the greatest regularity. Not a toy but a practical machine.

Price, 75c

National Broadcast Seeder

Will sow wheat, rye, oats, rice, flax, millet, turnip, clover and grass seeds; also fertilizer, plaster, salt, ashes, etc. Quantity instantly adjustable to suit kinds and conditions of seed. By the superior construction of the hopper and attachment of the sack it sows out very clean.

Price, 1.25



NATIONAL SEEDER.

"PLANET JR." FARM AND GARDEN TOOLS

Space will not permit our showing and describing all of the "Planet Jr." tools but we will send a fully illustrated catalogue FREE FOR THE ASKING to any who desire it, and we can supply promptly anything ordered. "Planet Jr." goods are standard machines, the best on the market. In sending your orders to us, you can rely on getting bottom prices.

"PLANET JR." No. 4.

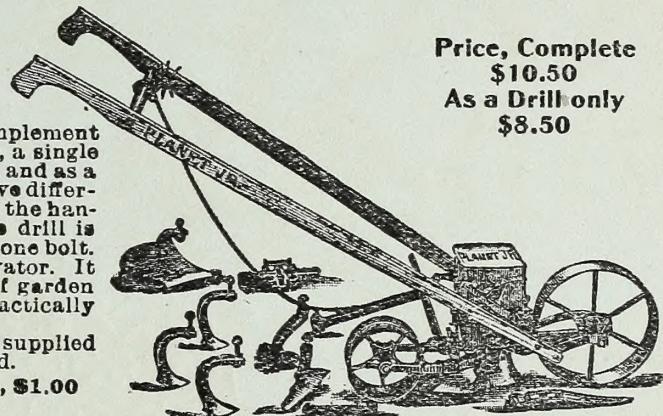
COMBINED HILL AND DRILL SEEDER, SINGLE WHEEL HOE, CULTIVATOR AND PLOW.

THIS admirable tool combines in a single convenient implement a capital hill dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, and a plow. It holds two quarts and as a seeder it sows in a continuous row, or drops in hills at five different distances. It is thrown out of gear by simply raising the handles. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden-plow or cultivator. It is useful almost every day of the season, at every stage of garden work. With this one implement the small farmer can do practically all the work in his small crops.

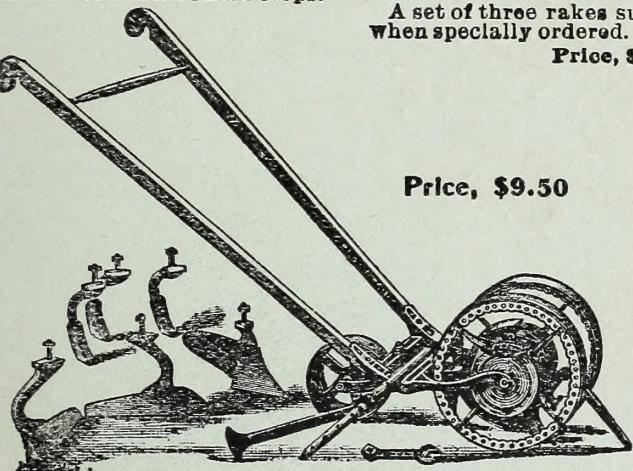
A set of three rakes supplied when specially ordered.

Price, \$1.00

Price, Complete
\$10.50
As a Drill only
\$8.50



Price, \$9.50



No. 12 DOUBLE WHEEL HOE.

THIS perfected wheel hoe is invaluable for use in all small crops. Its variety of work is almost incredible. Changes and adjustments of the tools are made with the greatest quickness. It has 11-inch wheels, which can be set at four different distances apart; the frame is malleable, with ample room for tool adjustment and can be set three different heights. The handles are adjustable at any height, and, being attached to the arch, are undisturbed in making changes of adjustment in frame, wheels or tools.

The arch is of stiff steel, unusually high; the quick change frame permits the tools to be changed without removing the nuts.

Price, \$7.00

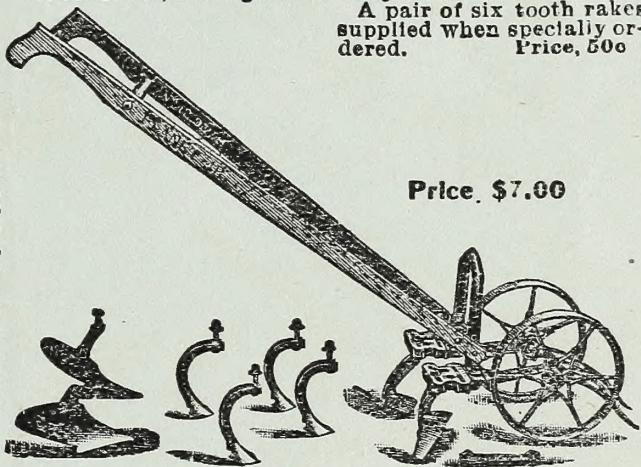
"PLANET JR." No. 1.

COMBINED DRILL SEEDER AND WHEEL HOE, CULTIVATOR AND PLOW.

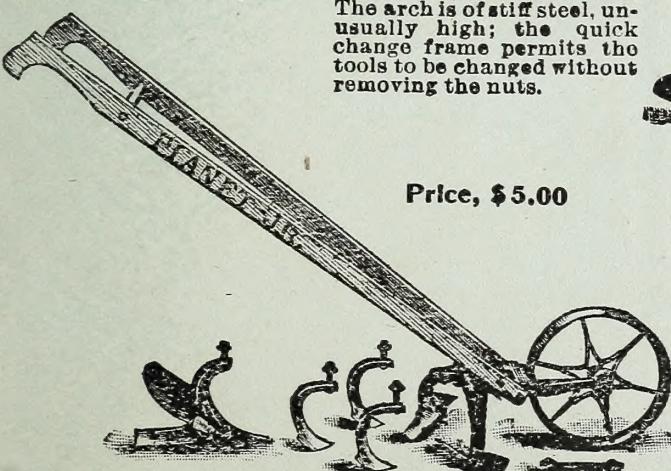
THIS has been long the most popular combined tool made. From a drill it is changed to its other uses by removing two bolts, when hoes, etc., can be quickly attached. It is an excellent seed sower, a first-class double or single wheel hoe, an excellent furrower, an admirable wheel cultivator, and a rapid and efficient garden plow. It is a practical, every-day time and labor saver, and a grand remedy for backache.

A pair of six tooth rakes supplied when specially ordered.

Price, 50c



Price, \$5.00



No. 17 SINGLE WHEEL HOE.

THIS latest and best single wheel hoe has a very full set of tools, several of them being of new design, such as have been found to work in the very best manner. It has 11-inch wheel, with broad face; is very light, strong and easy running. It has adjustable handles and quick-change frame.

Price, Plain \$5.80. Price, with Wheel \$6.90
Price, Complete, \$8.50

"Planet Jr." Twelve-Point Harrow and Cultivator.

THIS tool has rapidly grown into favor with farmers, market gardeners and strawberry growers. It has a high frame and the chisel-shaped teeth cut an inch wide each.

The foot lever pulverizer is a capital addition for preparing ground for the seed drill or for plant setting. Hand levers regulate both width and depth while in motion; it contracts to 12 inches, and may be further reduced in width by taking off the outside teeth; it expands to 32-inches. It cultivates deep without throwing earth upon the plants, and the smooth, round-throated teeth turn strawberry runners without injuring them. Strawberry Runner Cutter Attachment consisting of a 10-inch flat steel disc mounted on an outrigger, extra. Price, \$1.75

